

SEQUENCE LISTING

<110> Gorlach, Jorn
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 Price, Jennifer L.
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 Yu, Yang
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 15 Page, Amy
 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Krickner, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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15 <213> Arabidopsis thaliana

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	g c c a t a a a c c	c t t c a c c t t g
	a g t a t t t a c g	t g c c a a g t c c
30	a g g a g a c c a t	g t t c t c a t c g
	g g t c a t a c a t	g t c c c a g a a t
	a g t a a a g c c t	c t t c c a g t c a
	t c t t g g c t t t	a g g c t t t g g t
	g g g c t g c c t t	c t t g g g c t c c
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15 <213> Arabidopsis thaliana

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<211> 1288

25 <212> DNA

<213> *Arabidopsis thaliana*

<220>

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<223> n = A,T,C or G

<400> 18

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	cctcaaggta	cttcatgagt	tgtcgataaa	aacataagtg	atagataaaa	ccaacaagca	240
	gatagcagag	agcaacgaca	gcacaagtga	tgagattact	agtaacgacc	aataccccaa	300
	actctaata	ctccatcggt	gtaaccactg	aagaggggtg	ttccatcagc	gctccagtta	360
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10 <220>
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 40 <211> 1282
 <212> DNA
 <213> Arabidopsis thaliana

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 atataaattc acaacaattc aaccattcat cccaagtaac caaaagcctc agtcccttgt 180
 aaggtgtaaa cgggttttaa catcagcctc aggctacaac cggatagat gaacatgttg 240
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 55 aagcctctc cgtgtcgagc ccaccgttgt atttaatgta ttcaaaggct tgagaaggaa 660
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5  acaaagatat tccttttcca aatgcttgat ggtaagctgc ttcaagagct ccagttgtgc 780
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   atcagctgca atttgtcgta accggaaaagc acaccagcac ctgcaacagc acgcagaatg 360
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   cgtatgtacc tgttccacaa cagcctagcg aagcctcgac gaaaccaa tttctcggat 960
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   tgggaggaac tcccactacc accaaccctt tagctccaag cctatgcaac atcttggcgt 1200
   cgtaaaagcat acggtgggag agaaactcga tgtattgctc aaccgtgaat tgcttttgtc 1260
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   <211> 1278
   <212> DNA
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55  <220>
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5 <222> (1)...(1278)
<223> n = A,T,C or G

<400> 22

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   tactccctca cggtctctgt tctccgtcgg tttctctcgg cttctccagg aaagtggcg      180
   gcggcagagc agtggtcgtt gcagcggcta cgggtggacac aaacaacatg ccgatgaccg      240
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   ctcatgcctc tctcgtctgc cagaggtttg ccgacgctag cgaggcagtc attaatgagc      360
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   gagacaacgt tgctatgaag ggactagcca aatttttcaa ggaatcaagt gaggaagaga      480
   gagggcatgc tgagaagttt atggagtacc agaaccaaag aggaggaaga gtgaaactcc      540
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   gcaaaggcca cggagtttgg catttcgacc agatgcttct gaactagact tggacctcta      840
   taagttcact ttcagatgac caatgttggg gttaaaacag aagaacccga agattctgta      900
   aaagcttttag attgaacatt atggactaat aagattgtag tagtaagctt tgtgttcaag      960
25  atggtttttg taataactnc gtaagcttaa tcaattcgcg gccgcctaac ttctcaataa     1020
   agtttgtgta aaggtagagg aaaactagtt agtagcatca tctgttgta cctgtgttta     1080
   aatccagcag agtaagcatc atcccataaa tctacaactt ctttgtaga tgtgacgaag     1140
   atgagacttc cacaaaaaag gcattcttcag aattgtttca gcttcgtttg cacttgacc     1200
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<210> 23

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<212> DNA

35 <213> Arabidopsis thaliana

<220>

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40 <223> n = A,T,C or G

<400> 23

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   atggaaaaaac atgaaacaaa gtttgatgaa atcacttcca gttgttgga acaatgtcag     180
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<210> 24

15 <211> 1270

<212> DNA

<213> Arabidopsis thaliana

<400> 24

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	ttcttatatt	ttcacccaat	aagggtttct	ttcttcaagt	ttgcacactg	aagtacacat	180
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45 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

<400> 25

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<211> 1250

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<220>

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	agcatcatgg	ggaagacttc	gatgcagagc	aatgtttata	atatgaatac	tgttttccag	300
	agaatgact	ttaagagtgg	aggcaacatg	aaagttaaca	agtataatgg	taatgttggt	360
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	aagaggctct	gccgaataag	cgactactct	tggtctgtgt	cgtgtctgat	gtgtgagtgt	1140
	gtgtctgtgt	ttgtgagaga	ttcgatactc	tttgaaacaa	agatttatgt	agaagaatat	1200
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<210> 30


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   <212> DNA
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    tctatccctt aaagtttcgg aaaattctgt tttctgttct tcattcttcg tgatcttttt 180
    cactttcttc aaaaaaaaaa catgtgtgga atacttgccg ttttaggatg ttccgatgat 240
    tctcaggcca agagagttcg tgttcttgag ctttctcgca gattgaggca cagaggacct 300
15  gactggagtg gcttatatca gaacggagat aattacttgg cccatcaacg tcttgccgtc 360
    atcgatcctg cttccgggtga tcaacctctt ttcaacgagg acaagaccat tgttgtcacg 420
    gtgaacggag agatttataa ccatgaggag ctgagaaaac gtctgaagaa tcacaagttc 480
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   <210> 31
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35  <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
   <222> (1)...(1245)
40  <223> n = A,T,C or G

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45  ctgtataaac gccaatttca ttaacaaaaa aaaaaaacia aaaaaaactg tccacatgaa 180
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5  gatacgttaag gaagttcacc acaaagatga acttaaggaa ctccgtggaa cccagacag 900
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10 aactcatgtc tccagacttg agcaagagtg taacaacaaa tctgagatcc tgacgataga 1200
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<210> 32

<211> 1245

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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20 <222> (1) ... (1245)

<223> n = A,T,C or G

<400> 32

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   aatccaaaca tagagaacat agccaatctt ccgttcttga gctccttcac cttcaactca 360
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   aagtcctcgg cctctcccaa tggcccatth cctgcgactc tgtagccttc aacgggtccc 480
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   tttcccaagt aatcgagccc tccatcgctg aagatctgtg aaccggcctt gaaccaaacc 600
   gcctctccga acttgactcc gttcctagcc aaaagctcag ggaagacgca gcctagggct 660
35 ccgagcatag cccacctgct gtggataact tctagctcac gggtccttgc gaatgtctcg 720
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45

<210> 33

<211> 1244

<212> DNA

<213> Arabidopsis thaliana

50

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<223> n = A,T,C or G

55

<400> 33

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   accgcctgga gctttgagga atccaggagc ttcggcgaga gagacgcctg attcggtagg     1140
   gacgaaatcg attagcatct cgccgaagct aacgatcagt cctttatcac cgttggtatgc     1200
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<210> 34
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30 <213> Arabidopsis thaliana

<220>
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    <212> DNA
    <213> Arabidopsis thaliana

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<211> 1226

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20 <213> *Arabidopsis thaliana*

<400> 37

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<212> DNA

<213> *Arabidopsis thaliana*

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   <223> n = A,T,C or G

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5 <213> Arabidopsis thaliana

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<211> 1205

<212> DNA

<213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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<210> 43
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 <223> n = A,T,C or G

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25 <210> 44
 <211> 1198
 <212> DNA
 <213> Arabidopsis thaliana

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 55 <213> Arabidopsis thaliana

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<211> 1195

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30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

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5 tcaactgtttg aagaactcgg tctttactat attgggtccag ttgatgggca caacatagat 1140
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<210> 47

<211> 1191

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(1191)

<223> n = A,T,C or G

<400> 47

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40 <210> 48

<211> 1191

<212> DNA

<213> Arabidopsis thaliana

45 <400> 48

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 aataaaaaca taactctctt ttaggattag aaattattct aattacatag aatagatccc 240
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5	gaaacctata	aaaccattgc	ctcttcaaat	cctccacgtt	tgctcttctt	ccacactttg	720
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	gagccaagag	agcaagagaa	tgaacagtga	aagaagctga	gaatttcaca	taatctaata	1080
	tcctccacct	tctatcccaa	aacacccatc	tcctcttctt	cttctcctcc	tcacccgccc	1140
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 <212> DNA
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20 <220>
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 <223> n = A,T,C or G

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	tatttcatgg	aaaatctcag	ttcatcaaac	gccccaaaaa	gaacaagtgc	taaagctgaa	180
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	tgagctccac	caagcggctg	atggatcatt	atccttgagt	ttggtagact	gtatcttttt	480
	cctttnnnnc	cagcactaag	cagaaaaagct	cccatactag	cagctagacc	aacacaaaca	540
35	gtnnncacat	caggccnnat	gtgcctcata	gtatcgaata	tagccatgcc	agctgtaact	600
	gatccaccag	gagaattaac	atacatgaca	atataccttag	taggatcaac	agcatcaaga	660
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	caagcatgag	ccattttctt	gttatcaatt	tggggatgaa	tgaaacccta	gttccgttca	1140
45	ccggcgatga	gcttccggct	cttatccttg	ttgaaaatcg	gacgcgtgg		1189

<210> 50
 <211> 1181
 <212> DNA

50 <213> Arabidopsis thaliana

	<400> 50						
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55	ataagacaac	ttatatattc	ccattaccag	ctctagttaa	acgcaccaca	atcacgacgg	180
	atgtttccat	tgctgctatt	cttaactcca	acacggccaa	gtttgggtcat	ggctatcaca	240

5	aaagcgcggt	taaaggccgt	agagtttgag	gcccagcat	taacgggtggg	cctagagcga	300
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	aagtaagtgt	tgtcaaactg	cttggggcgtg	actgggtcca	tggtgattgc	aattcttggg	420
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	cttgacgcgg	ttgataccaa	accatcgaac	ctaccaagtt	caacttcata	ggacggtcct	720
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	tgttcgacat	tggggcaagt	tttggagtag	aaaccgcggc	ttagttgtgc	ggtggttgta	1080
	tcgggaaaga	cagagattat	gaggcaaaga	cctatgagta	gaacaatatc	gaagcgagcc	1140
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<210> 51

<211> 1179

<212> DNA

25 <213> Arabidopsis thaliana

<220>

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30 <223> n = A,T,C or G

<400> 51

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	cttgatgcaa	aatgcgaaga	tgaaggcaaa	aaagacagtg	aagccaacta	gtactccggc	240
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	gaggccaggt	gcaccaccaa	ggagagcgat	gggagtctca	acgtcaccgt	attgagaagt	360
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<210> 52

55 <211> 1179

<212> DNA

5 <213> Arabidopsis thaliana

<400> 52
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<210> 53
30 <211> 1177
<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
<222> (1)...(1177)
<223> n = A,T,C or G

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	gtccttgcoo	gagagcgact	cttcctccgt	caactcatcc	ttcgtcatte	tttcagactt	1140
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<210> 54

10 <211> 1177

<212> DNA

<213> Arabidopsis thaliana

<400> 54

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	atagacattt	caagatcgga	gatttagtaa	ctatgaccat	tctgtctctg	cagcactttg	180
	tttccttatt	cctcatcgtc	gtcatcatca	tcttccttct	tcagacgggt	ctctccacct	240
	tccttgataa	taggaagctt	catagctcca	aatgggtgat	caacatcaat	attacctttg	300
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	tctttcacct	tatcgaggaa	tccaccttcc	ccttcttctt	tttctctctg	cttacccttc	1080
	tgacttctat	cgacgatttc	cacgtcaccc	tccgtatgaa	ctactctact	gatgatttcc	1140
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<210> 55

<211> 1174

<212> DNA

<213> Arabidopsis thaliana

40

<400> 55

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	gtgactatgc	caaaccagag	ggttattcat	ttccgttggtg	ttgcaaatta	gtagaaactt	360
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	agtgtatcta	acattttgag	atztatgtaa	atggtcaaga	acacatgtga	ttgattcttg	1080
	gacacagaaa	atgtttgatt	tatctttttg	actttttgta	tcaaaaaaaaa	agaaaaaaaa	1140
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10

<210> 56
 <211> 1168
 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
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 <222> (1)...(1168)
 <223> n = A,T,C or G

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35 <213> Arabidopsis thaliana

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<211> 1150

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45 <400> 69

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 45 <213> Arabidopsis thaliana

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<210> 73

50 <211> 1145

<212> DNA

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<220>

55 <221> misc_feature

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5 <223> n = A,T,C or G

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30 <211> 1144

<212> DNA

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35 <221> misc_feature

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<210> 79

<211> 1135

<212> DNA

20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

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<210> 80

<211> 1132

50 <212> DNA

<213> Arabidopsis thaliana

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55 <222> (1)...(1132)

<223> n = A,T,C or G

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<211> 1132

<212> DNA

30 <213> Arabidopsis thaliana

<400> 81

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55 <212> DNA

<213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 <211> 1129
 <212> DNA
 <213> Arabidopsis thaliana

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<210> 84
 <211> 1128
 <212> DNA
 <213> Arabidopsis thaliana

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<210> 85
 <211> 1127
 <212> DNA

35 <213> Arabidopsis thaliana

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<210> 86
 <211> 1125
 <212> DNA
 <213> Arabidopsis thaliana

15

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 <223> n = A,T,C or G

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	gggaggtgac	tttgatgatg	gtgaagaatt	gaatgcggtg	gttaaggcgg	ctaaagcttc	900
	agccctttgt	cttggacccc	cttgaacttc	atttgatctg	tctcggctcg	gagagcttgt	960
	tctcccagaa	gaagaattaa	aggcagaagt	caaggcagct	aaagcagcag	ccctttgcct	1020
	tggtccttgg	ttcccactgc	tagactgatc	ctccacaacg	tggtgtgtac	caagtaataa	1080
40	tgctgccttc	ttctggtagg	aattcccttg	cacagtagct	ttagt		1125

<210> 87
 <211> 1124
 <212> DNA
 <213> Arabidopsis thaliana

45

<220>
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 <223> n = A,T,C or G

50

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	gcacctccgc	acaaaatcct	accggagctc	cggccaacaa	agatcgcaat	ttggcctctg	120
55	ctgaacagtt	ggtactcgat	ctcagcaatc	ctgaactcag	agaaaatgct	cttctcgagc	180
	tttccaagaa	aagagaattg	tttcaggatc	tggcgccctt	gttgtggaac	tcttttggtg	240

5	ccattgctgc	cttgttacag	gagattgtat	caatctactc	tgttcttgca	cctccaaatc	300
	tgactcctgc	tcagtccaac	cgtgtttgca	actcgctcgc	tcttcttcag	tgcgtagcat	360
	ctcattctga	cacgagaatg	ttattttctca	aggctcatat	cccgttgtag	ctttatccct	420
	tccttaatac	aacgagtaag	tccagacctt	tcgaataactt	gcggcttact	agcctaggtg	480
	tcatcgggtgc	acttgtgaag	gttgatgata	cagagntcat	tagcttcctt	ctttcaactg	540
10	aaattattcc	tctgtgcctc	cgtaccatgg	aaatggggag	tgagctgtca	aaaacagtgg	600
	caacatttat	nnntcaaaag	atactgttgg	atgatgtggg	gatggattac	atctgcacaa	660
	cagcagnnng	gttttttgca	gttggtcgag	tgttgggaaa	tatnnttcag	tcacttgtgg	720
	agcagccttc	tccgcgcctt	ttgaagcata	tcattcgttg	ctatctccgt	ttatcagaca	780
	acccaagggc	ttgtgctgca	ctcgcaagct	gtctccctga	ctcgctacga	gatggatcct	840
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	atggttggnnn	tggtcgcgtc	ccaacacatc	aannnggagg	atttgagcac	atgctttgag	960
	ctgaatccat	ctcaaaccca	tccatggagt	gtgtttcttc	tgtttttggn	tctaattata	1020
	catgtgcttt	ttaatgcctt	aacttagatg	atgggttata	ggcttttttag	tctgtttgaa	1080
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20

<210> 88
 <211> 1124
 <212> DNA
 <213> Arabidopsis thaliana

25

<220>
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 <222> (1)...(1124)
 <223> n = A,T,C or G

30

	<400> 88	
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	ccccacagct	ccgtgtcgcg
	ggtagtgtca	gatctccaag
	ggaggatata	gcctaaggac
40	ccttctgcat	caggttcttt
	tgccaatctt	ggtgttgact
	tcttgcccga	cgaaatagaa
	tttcctttcg	tttgccccaa
	gcttcaccag	cttctctggc
45	atttctctgn	nngctgcttt
	aaattggctc	aaagattctg
	caagtttagt	ttttcattac
	tgagctgtgc	tagttctgct
	caaatgcagt	acgagagatc
50	cctcacatga	cgacccttta
		tccgatacta
		actgatccca
		ttcg

55

<210> 89
 <211> 1123
 <212> DNA
 <213> Arabidopsis thaliana

5 <400> 89
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 aaggaatatt tctaccacta aaaaatcaac caagaaaaaa attcaaagta tccctttttt 180
 gtaggggttc atttcaacct gaattgacca aggtgttgc gactgtaata tattctacaa 240
 10 tgctaattctt tcgaatcact gagcgagaca agaacctggg tcaaaaggca caactcgtcc 300
 gccaccaacc aaaggtgcag ctgcaactcc tctttgattc aatagacatc tgaagtgagc 360
 caacctcgtc gttacattgt tgggattttt agccaatttt gcatagggtg tccacaaccg 420
 ctctgcagct gcggcaggcg aggccaaatg gtttgttcaa tgtcagaagc atcaatatgt 480
 tcaccccaca tgcaaacctc gccaccaagt actagacttt gttgcttttt atccgttatg 540
 15 ttttgaaatg gctcgtttgc gtaaaagcct tgccaagggtg cgtctatatg atccaaatac 600
 caaaattctt ggttactaac tatacacctt aaaccggagc cagtcacatt ctcaacaagt 660
 cctgtgttaa gccagttgtg aaccacgggt ttccggttta atttgcttcc aaaattgatg 720
 aaggtctctt cccagttgat aatttcatat ccgtgagaca aggcgatttt ttgcgcccgc 780
 aacacgaaat attgataggc ttctttttca ctcatccgat gttttttaag ccattgggct 840
 20 attcgcggtg ttgcagacca acaagttgta tttacttcat caccacccaa gtggacaaat 900
 ttaaaactta agatcttgcg gaaatcagag agaatgccat caatgacttt gaatgtgaag 960
 tcaactgctc cgtcaagtgg ttcttgacaa ttcttgaggg gccacaaggc aggatatccc 1020
 tttcccatg agagagcatg tcctggaaca tcaatctcag ccaagacatg gatccctcgt 1080
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25 <210> 90
 <211> 1119
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(1119)
 <223> n = A,T,C or G

35 <400> 90
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 acaacaaacc aacttagaag aacatgacaa gaaaacgcaa aacaaaatga aaaggaacaa 180
 40 aaaacaggaa cattcacaat agaaacactg agccagttta gatatacaag ccatcactaa 240
 acgttactcc cgtagaaggc agccaaagat ttcttttaat gaactgagaa acggtgaagt 300
 tgttagcctg atccgagttg ttaaagacgt ggtaaccagg ccatttgact cggctgctga 360
 gtcctgaacc aggcccgtag ttcatgaact ctccgtagaa gagtgtgtcc aacgcaaaat 420
 cagcgttcca ctcaagccat ccttcgggtc tcacaacgtc gtcctattg ttccctaatga 480
 45 aaaccgttct cgaatatagc ttccatggcc ttccatagata cgtccttgtc gtgttttaggt 540
 atgggaccaa atctgcgtcc gccgagatat tgctgaannng aattgagaan nnnnnngggtt 600
 ggttgacatc tttccggcnn ngtgcagtga tgggttctt ttggttaggg agtcctcttt 660
 tagccaaaat ttgacagttt tgaaacacaa cagtcccatc cccaaatata aaatctactg 720
 ttcccgatg ggtgcactca cggtagaact gacgcaggtg gtgcgtgtag agtgatatctt 780
 50 gataaccctt catcgcacat ctgtagaaca cagagagggt agagtctgat ctcagtgtta 840
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 ctcttccgct taccgcgaat gtagctgatc ggaaagtggg ccaaccatcg atgaagctgc 960
 gggtaccgga aataacagtc acgtcaatgc catcacctaa cattacaatg ttccatttct 1020
 tcttcttgat ctcaacattc tccaaatata aacctttttt aatgtatatg acgaaacgtg 1080
 55 tcgagctata atcaggagct ttctttatgg cgtccatta 1119

5 <210> 91
 <211> 1114
 <212> DNA
 <213> Arabidopsis thaliana

10 <220>
 <221> misc_feature
 <222> (1)...(1114)
 <223> n = A,T,C or G

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 aaagttgaag aacagaagt tcatcgatac aacgatttgc aggtagccaa aaaccgtagt 180
 tcagtggctt tgtcttccca ttcaacacct tctaaccatt tgttttcgcc gtattttacg 240
 20 acaagttcta cacctgcagt tccactcttg gagttcaatg gaagcttttt cagctttgga 300
 caatgttctt gcactgcaag ctactcaga cgtggaaaag acaatggtga ccagtagatg 360
 ctcttttagct taggtaaatc agataagcta agacattcta gtttttgaaa aggaatgata 420
 atacttgcac tctcgctcgt aacacttgca gctttttctt cactgattat atcctctagt 480
 tgctctgcga aacgagcgtc gagataagta aggnntggag caaacaatag nnatgtcaac 540
 25 tccttttagac catcacattg tcctataacg actttggaga ggctagagaa gcatgatgat 600
 gttctcatct cgactttttat ctcttctcatt ccacacttcc atatgccaat tcgacggata 660
 ttacacatgn nnngaaaagt taatatatttg aaagattctt cctcaaccnn nnnaagctct 720
 acatattgaa tagatttcgc caatctctga gagcataaca aatggtccaa aaccaaactt 780
 gaaaagatat ctatggttag aactnnnnnn tggttctaaga gttgtagctc cttcgctgag 840
 30 ttcacatcta gagccttttt ggacttttgt agtctcagtg tcttcaaact caacaactta 900
 gataccccag caatactctc caaactcttc atggactcca aattcagatg tattagtgt 960
 ttcaactctt gtaaaccaac aggcaacctt tcgagtgttg tatacgacaa gtcaagatat 1020
 cgcaaggaga ctaactctga ttttttctt ggtaatccag tgagactact attccatgat 1080
 aaatccaata cgacaagggt aggcatgaat cgaa 1114

35 <210> 92
 <211> 1114
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(1114)
 <223> n = A,T,C or G

45 <400> 92
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 aaacacaaac caccaaagt tttaatgaaa cgagacatga acttcttctg attcataaca 180
 50 gagataagtt tttagaaacc accacggagc cttagcacca agtgaagggt agactccttc 240
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 cgctgctggg cgggagggat accttcttgc tcctggatct tagccttcac gttgtcaatg 360
 gtgtcggagc tctcaacttc aagagtaatg gtctttccag tgagagtctt caccgaaatc 420
 tgcatacctc caccgagacg caacaccaag tgaagtgtag actccttctg aatgttgtag 480
 55 tcagccaaag ttctaccatc ttcaagttgt tttccggcga agatcaatct ctgctgggtc 540
 ggaggnattc cttctttgtc ctggatcttg gnnnnngacat tgtecatnnn gtcnnnnntc 600

5 tcnnnnntcca aagtgatagt ctttccagtc aacgtcttga caaagatctg cataccacca 660
 cggagcctga gnnnaagatg aagtgtggac tccttctgga tgttgtagtc agcaagagtt 720
 ctgccatcct ccaactgctt tccagcgaag atcaacctct gctggtcgga aggaataccc 780
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 agctgttttc cggcgaaaaa aagcctctgc tgatccggag gaatgccttc cttatcctgg 1020
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15 <210> 93
 <211> 1109
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 93
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 tgtactcacg gcgaggatcc accctctcgt tatctttaac gtctgtgatt gcttcgtgag 180
 acgtcctgac tcagctgaac gagtcacgga aactctcctc ggatctatct tacctgacgg 240
 25 aaccgtcgat atccgcaatt catagccgtt ccctcacaat gaatcatccg atcaggttgc 300
 tgtggatatt gattaccacc acaatatgtt agcttcacac ctttaaggta attcaaagga 360
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 tgattttctat gctagagaag taccacaacc aattcaccta actgtggata ctgggtttac 480
 taatgggtgag ggtactatca aagcttttgt ctcttcaaac ctctcactcg gtgacgaca 540
 30 actcgttgca cattttcaag agattcctgt tgatctccgc atgggtgatg ctgagagagt 600
 cggattcgat gtacttaagg caacatctgt tgacaaactc ccaaatgact tgggaaggat 660
 ggagttaaca atggagagggc tgttaactct aatcaacgat gtctacaaat atgttgacag 720
 gtgcgtggga ggtcaaatag ctccagacaa caacattgga cgattcattg cagatgcagt 780
 agcctccctt cccaagttac ctccacaagt cttcgataac ctcgatgaat atagtctcca 840
 35 ggaccaattg cttctgttgt acctatcaag cataacaagg acacagttga gtctagcggg 900
 gaagctaaac acagctgctc aaatgctata ataagcttgg aaacacaagg ttttgcataa 960
 aatggggaat gctgcttttt tgggttgcga ttttctttta acaagtttat gtaagaatca 1020
 gcttcttgtt gtagtgctcc taaattgcaa gtttaagaaa gacaaaatgc tctgtttcgt 1080
 gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1109

40 <210> 94
 <211> 1109
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(1109)
 <223> n = A,T,C or G

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 gcttcgagga ggccgttaac gaaggatctt tgggtgtaac aatcaagatt accaccagga 180
 55 ttaacaccaa atatgttaca atacctctga taaaacctta tacgatcggc gactctcccg 240
 tcttggccac gtccacactc caatccaccg ttaatgatgt tcgtaatcac tccataacct 300

5	ggtaatctcc	cggcggcagc	gtcggcgctc	gaaggctgcc	actggccggc	tatcacggca	360
	tggcaagacg	gtttgggagg	ctgagcagtc	atccagaacc	aaatcgcggc	tttgaangcg	420
	atcactgcgt	cgttggcaac	aaggtcannn	tngttgagta	ngtcaacnnn	nnttgctcta	480
	ccgcatagac	cgtaattgta	gttccacgac	agttgcatcg	gtcctcttcc	gtagtagcgt	540
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10	nnntgcttga	aacagtagcc	ccatgaatat	ggtcctgntg	gtgctgtagc	ccatccacct	660
	gtagtttcat	gggaagtctg	gccgaagaag	gcggcgacct	ccttcttcct	cgtggcggtg	720
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15	cactggcctt	ggcagccagg	ctgcttacag	tatggttcgg	tgttaccgca	ccagccgaac	960
	tcgctgcagc	atagaccggt	ggggcagagt	gctcctccag	cttggcgacc	acattgctcg	1020
	gccgaggata	atgataggag	aagtgaaga	atgagaaaga	gaaaaagatt	agtcttcatt	1080
	ttgttcaatg	ttctatggcg	gacgcgtgg				1109

20 <210> 95
 <211> 1108
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(1108)
 <223> n = A,T,C or G

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	cgcagtatca	ggagatggtg	gctctgagac	acctattaag	tgtgagcata	gtgatgttct	120
	cgggtgattt	ctcaagagaa	cggcagaaca	acaggttttg	agacgtaatt	ggagattttc	180
	atgggttcga	aatagtacat	tgatgcagcc	gatgactaag	gaagtccctt	ggtatctgga	240
35	cgacgggaca	ggtcgtgtga	atgtagatgt	atctcaaggt	gaattaggct	tggcggtgac	300
	ggttggtagt	gatgtatttg	aaaaggcaga	gccgggtatcg	cttgttcaag	gagcgttggg	360
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	tacaccgctt	acagttggtg	gtgaggtgtg	tagggatggc	atgggggaatg	tcaggattca	480
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	actatgattg	aaaaaaattc	taaaagatct	ctttcttttn	ncaggagggt	caagtatgcc	660
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45	gatacacctg	atctctgtgt	ggtttgccct	gaccagaagt	ataacaccgc	ttttgttgag	900
	tgtggtcata	tgtgctgctg	cacaccatgc	tccttgcaac	taaggacctg	tcctctttgc	960
	cgggaacgaa	tacaacaagt	tttgaaaatt	taccgccatt	gaaggacaaa	actcagaacg	1020
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50 <210> 96
 <211> 1108
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 96

5 tttttttttt tttttttttt ttttttttta gagaaaaaga ggttcgattt ctatacaaaag 60
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 ctgctctcat tcacataata agcagccgct cactttccgg ggacgaagtt ggtggcgaag 180
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 gggtcgaagc tggcacctgg gtaaagcaag tcctctgctt ctcccaatgg accatctccg 420
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25 <210> 97
 <211> 1107
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 97
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 ctcttgcttg atatgaagtt gaacttcttg tgtgcaaccg ccattatacg cgatgccttg 180
 ctccagctgc taggtgacac acgcttggtg atatatgctt gatatgctgt ttcagctggg 240
 35 gatggtatag cagcgctacg agacgtacta gcacggaaaa gctatcagac acggctgatt 300
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 40 gcaccgacac atcatgcaac tgaatttcga cctctaacag atgcagggca atgaactcaa 600
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50 <210> 98
 <211> 1106
 <212> DNA
 <213> Arabidopsis thaliana

55 <220>

5 <221> misc_feature
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 <223> n = A,T,C or G

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 aagtgggtgac aagattataa tgccaccatc agcccttgat cgtctagctt ctttgcagat 180
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 agtccttgag ttcacgcgag aagaaggcgt gatttacatt ccctactgga tgatgcagaa 300
 15 tttactgttg caagaaggag acatgggtgag agttagaaat gtcactcttc caaagggaac 360
 ctacgtgaaa ctgcaacccc acacaacaga ctttctcgat atagctaacc cgaaagccat 420
 cttggagacc gcattgagga actattcatg tctaacggtc ggagatagca ttatggtccc 480
 atacaacnat aagaaatact tcatagacat agtggaggca aagccttcta atggtattag 540
 catcattgaa actgactgag aggttgattt cgcacctccc cttgattacn nnnnacccga 600
 20 acgacctgta gcacctgctc cagccaaagg tgaagcaaaa gctaaggagg ttgatgtggc 660
 tgaagcagaa ccaaagttta accctttcac ggggttcggga agacgttttg atggacgacc 720
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 aagtagtagt agtagtgggt cagagaannn acgcaacaaa atcgagggaa acttgtgttc 840
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 25 aagcaagagg aagaggctga gaaggaagcc aagttccaag cnttttagtg taaaaaatat 960
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30 <210> 99
 <211> 1106
 <212> DNA
 <213> Arabidopsis thaliana

<400> 99
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 atacaagcat aagggaacga tagaggaaag aatcaaaggg ataggatttg atatgatata 180
 tttggtaaac caagacagga aagattggag ctctgccatt ctcttctcac ttttttctcc 240
 40 aaagcatcct ttataagtgg agtgagttaa tcatatggaa caagtgtagc cggagggtgg 300
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 aagtaacgga caacatttgt taactgctgg atccccaaag cctatcttta ctaaacctcc 480
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55 <210> 100


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5  <211> 1101
   <212> DNA
   <213> Arabidopsis thaliana

   <220>
10  <221> misc_feature
   <222> (1)...(1101)
   <223> n = A,T,C or G

   <400> 100
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   atcctaaccg tccaatcgct agtttcatat tctcgggtcc aaccggtgtt gggaaatctg      180
   agcttgccaa agcttttagca gcttactact tcggttcgga agaagccatg attcgtctag      240
   atatgagtga gttcatggag aggcacactg tctccaaact catcggttca cctcctggat      300
20  atgtcggata caccgaagga ggtcagttaa nnnnnncggt agacgtcgcc cttacaccgt      360
   cgttctattc gatgagattg aaaaagccca tccagatgtt ttcaacatga tgcttcaaat      420
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   tctcatcatg acatcaaacg tcggaagcag cgtgattgag aaaggaggaa gacgtatcgg      540
   attcgactta gactacgacg agaaagacag cagttacaac agaatacaaga gccttgtaac      600
25  agaggagctg annnaatact tcagacccga gttcctaaac aggctagacg agatgattgt      660
   gttcagacag ctaacaaagc tgggaagtga agaaattgct gacatactgt tgaaggaagt      720
   gttcagagag ttgaagaaga aagagattga gcttcagggt accgaaagat tcaaagagag      780
   agtagtagac gaaggttata acccgagcta tggagcaaga ccggttgagaa gagccatcat      840
   gaggctttta gaggatagta tggcagagaa gatgcttgcg agagagatca aagaaggaga      900
30  ctcggtgatt gtggacgttg acgctgaagg taacgtcacg gtgctaaatg gtggaagtgg      960
   cactccaact acttccttgg aggagcagga agattctctc cctggttgctt aaataaaaaa      1020
   agcaaagtgc gtgcgtttct ctcttctttt gctttggccc ttaaatgaat tatggcaaga      1080
   gaaggttatg aattgagata c                                     1101

35  <210> 101
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   <212> DNA
   <213> Arabidopsis thaliana

   <220>
40  <221> misc_feature
   <222> (1)...(1101)
   <223> n = A,T,C or G

   <400> 101
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   cttcatagag atttttaaag cagaaagatt acaaaatctg aagatcagta gttcagtaga      180
   gataaacttt cactgattca cagattattg cataacaaaa aaaggaaaat gaaagattgt      240
50  aagaacttgt tcacttcttt gaagaaactg ttgatgaatc tggctctttc catgcagctt      300
   gccattgttt gtcataatac gtagtctcat cgaacagatc cttaagtttg tctaaatctt      360
   cattcttacg gatgaagaga actccagcta cagccacaaa caagagtgtt ttgcagaaga      420
   aattcccatc ttgatcaaca agtcctactc cggttaagact atcaacaaag taagccatga      480
   agaaccctat catcgagca cgaccattga gaagttcagc ttcaggtaga tggatatctc      540
55  tcatccatgc ccancatgga ataatcgaag tatcgaagac aacaagctcg tcgttactcg      600
   ttgtttccgg gttatcttca agccattttc tcctctttgc ctcagaaacg ataacagaat      660

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5 cccaatcagt tttgccatct ttctcgaact gtttcagatc ccaagttcca ttaacccact 720
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15 <211> 1100

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(1100)

<223> n = A,T,C or G

<400> 102

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 aaggtgccgt gaagaagaag agaaaaccca ggagagggtga ggatttcaag tttggccaag 180
 tttttgtcaa ggcagatttc tggtctcttt ggtttgtcta cttcctcggc atgggttcag 240
 gtgttacagt ctcgaacaac ttggcacaga tcggatttgc ttttggtatt aaggacacaa 300
 30 caatactcct gtgtcttttc agtttcttca acttcatagg ccgtcttgct tcaggtgcca 360
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45 <210> 103

<211> 1098

<212> DNA

<213> Arabidopsis thaliana

50 <220>

<221> misc_feature

<222> (1)...(1098)

<223> n = A,T,C or G

55 <400> 103

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	tgccacttc agcactcgct caagccccctg ctccactacc caccgccact cctcctccc	180
	caactcccc tccagtcgca actcctcctc cagtggctac cccaccacct gctgcaaccc	240
	ctgccccagc cagccacca cctgctgcaa ccccagctcc tgccactact ccaccgtcag	300
10	ttgtctcttc tctgtctgat gttcccaccg cctctccacc agcaccggaa ggtcccaccg	360
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	ccaacaaggc tttcttcgcc ggaaccgcct tcgcctctat tatgtacgcc gccgttttgg	480
	cttgagaact ttttttatat aatttttttt ttatccctca aattatttca aatcttttgg	540
	gttaatgtga gaatttgatt tatttttcgta tttcgctatt tgatcgtaa ttttttttat	600
15	catgatttcg tgtgtcggaa tggggaaagt aattattatc ttggttgaag ctaatggaat	660
	gttgacacgt gtaatttacc attggaaggg cttcatatgg ttgtgtagag gaggtggaat	720
	taatctgttt atgtaaatcc aatgataata aatcaatttc aaaaaaaaaa aaaaagggtg	780
	gccgcnnncc atctagaact agtctacaag tagagtacat gacatgtcct tctcctggcg	840
	ctgacaagct tctccaaga tgcaactgtt gtcttgctcc caaaaattgt actctccatc	900
20	tctctgattc tactactatc cattgtagca aatgatatat atctagtaag aaatacctga	960
	tggtatccct ccttcgaatc ccatccattc ctccactca tcgatttcac ccatttctgt	1020
	aatctccatt tcttcttctt ctttcttaaa cttttgcatc aaacactgaa aatgtgatta	1080
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25 <210> 104
 <211> 1097
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(1097)
 <223> n = A,T,C or G

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	tatgttgatt gttcatgctt tatagtagtg tgtcctccac gaggcctttg tgagagacga	180
	gttattatta tacgtagtcg ctgtaattct ctgcagctta tgtgatctta tcggtcgtg	240
40	ctcctgctcg ttgacgttga tcgatgtagc ttttacaaca tcgactttga ctatgtgatg	300
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	tggcctttgn cgacaacaac cacagattcg cattctccag caaagtcnnn agcgtcagtg	480
	tattctttgc tctttaagaa tctcatcacn ngtgcttttg gtattggctt acccatctct	540
45	tcgtaatact tgacgatgac ggtccatctc tcaggagaat aatcggattc gtcgagagaa	600
	ttgagagcac cagcgagtat gtgcggtacg ttggtggatt ggataatggc atcgacttgc	660
	ttcattctcc acttctcgtc caagtgatcc agatgagtgc agtgaaactc cacttccccg	720
	ctcccgggaa cctctatgct cgccttcaac acgttctga aatcagtgtg gtcgaagatt	780
	cttagaacat tggagctttt gatgggccac ttagagagaa tggcggttgc gtactccggc	840
50	gcccagctct cggcgaagac gtaattcatc cccagcgccg cagcgagatc ggagagcggt	900
	ctcatttggg cagcctcgtc cgccttgacg tcttgaagag ccagcacgtc tgcgtctagc	960
	tactcagca cttccagagc cgttctggtg ctccggagac cgatctcgcc gggcctgagg	1020
	ggagagtgtc gtggatctc ccggaagctg agctggcggc tgatctcggt gtcggggaga	1080
	ttgatgcgga cgcgtgg	1097

55 <210> 105

5 <211> 1097
 <212> DNA
 <213> Arabidopsis thaliana

<400> 105
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 gagagtacat taagcaatca tatgacaaag ttcaaattgca atgcgacccc tccagccccc 180
 aaccaaaaaac agccatgact ctcggggaga cacacacaca cacacagagc atacgtcaca 240
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30 <210> 106
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 <212> DNA
 <213> Arabidopsis thaliana

35 <220>
 <221> misc_feature
 <222> (1)...(1096)
 <223> n = A,T,C or G

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 ctcttaatta gtcaacgac atttcacata aacttttatc gagctactta cttatcatag 180
 tcttctcatc gcatgggaag aaaaatccaa gaaacttggg aaataaggaa ccaaaccgtg 240
 45 aagagactga ggagaagaag ctggtgatga tgttgtaaga aatagagatt gactagatga 300
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<210> 107

10 <211> 1094

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(1094)

<223> n = A,T,C or G

<400> 107

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40 <210> 108

<211> 1094

<212> DNA

<213> Arabidopsis thaliana

45 <220>

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<222> (1)...(1094)

<223> n = A,T,C or G

50 <400> 108

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 caagtaacat agacaatcat gatataggga acagagaaac tctacttttc actattattc 180
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 55 tcgtctccac cagcaccagg tttggcagaa ccattcgtct tatgagcatc gtctcctcct 300
 tcttctgaga tgtcagaagt ccacaaggtc agattgtccc taaggagtgt cattattaag 360

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	gctctccttg	aaccaatcac	gttcttgtaa	cccacagaga	gtaagttcct	ctcttccacc	900
	gtcagatcaa	cattcaattt	cgcaacactt	ttcattgatt	ccaccatttc	ttcataacgc	960
15	tcagcttgct	cagagagctt	agcgaggtag	acgaaagtgt	cacgctcttt	tccagaaccc	1020
	atgacnnntt	caagattctc	gaaaaatcaa	aagtatcaaa	ttccaaagct	tttgacgact	1080
	gatccgagta	tgta					1094

<210> 109

20 <211> 1093

<212> DNA

<213> Arabidopsis thaliana

<220>

25 <221> misc_feature

<222> (1) ... (1093)

<223> n = A,T,C or G

<400> 109

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	aatgatcttc	atcttcatga	cgggataaac	tcttagagaa	agattcaaag	tgattatctt	180
	tgtggatccc	tccattgcta	tgtggaattt	agcttcaaaa	tcgatcagag	aagggttttat	240
	atcgaaggga	gaagaagctg	ctacaaaacc	aagaagagct	acttttagata	gatcaggaga	300
35	tggaagaaaag	acaacaaaagg	aagaaaaatt	ggagtgtccc	atttgctggg	aatcattcaa	360
	cgttggtgag	aatgtacctt	atgtcttatg	gtgtgggtcat	acaatctgca	agtactgtct	420
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	cttcgttgct	tgcccttggt	gcaatattct	ctctnnnnnn	ctggtttgca	atggaaccat	540
	cagatttcct	tccaagaact	tttaccttct	gtggatggta	gaaagcatga	atggctccag	600
40	atcngannca	cccagcgaca	nnaaaagggg	tgcttcaggg	cagagagact	tgagaaatag	660
	gtgtgatgga	atgagtaata	cgccttgagg	tgatgaaggg	ttgctggaca	annncagctg	720
	gtggaatggg	gtgaccagag	gattcttcag	aactgggagg	ctccatgact	cggtagcgtaa	780
	gtcaatggct	cttggtgctc	atgtgttggt	taagtttcc	ctggtagtca	tattcctggt	840
	gatggcttta	tatgcaatcc	ctgtgagtg	tgcagttctc	gggggtttatt	tcnntgttac	900
45	gtttgctttg	gctgtcccgt	cgtttctcgt	cctttatatt	gccttcccga	gcttaaactg	960
	gctgatcaga	gagattgcaa	cctgactcat	tgtactgttt	ctttcttctc	gtatgtttcc	1020
	tgacttgtaa	gaaacacgag	atagagccaa	cgttggtttac	actcaatata	gacaagaaga	1080
	agagaagatc	ttt					1093

50 <210> 110

<211> 1091

<212> DNA

<213> Arabidopsis thaliana

55 <220>

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5 <222> (1)...(1091)
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<400> 110
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 atgctcgaac gaacgcggga ttctcttcaa ccgcattgct ccagtttacg ataatttgaa 180
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 agcaaaaaaa ggagattacg ttcttgattt gtgttggtga agtgggtgatt tagcgtttct 300
 cttatctgag aaagtgtggt caactggcaa ggtttatgtt cttagaaatg tgtagcttgg 360
 15 cttgattgta aaattgttgt tctgataact tggtaaatatt attatagggtg atgggcttgg 420
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 ttgatgattg tgaattcgan nnnnttncga tgggttatgg tcttcgannc gttgttgata 600
 gacttanagc tatgaaggag atgtatcggg ttttgaaacc aggttcaaga gtatctatac 660
 20 ttgannncaa taagagcaac caatccgtta ctacgtttat gcagggctgg atgattgaca 720
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 25 ctggattttt ataagaaaag agaaacgctt tgcgttagga tgatgcagat aatgtagagg 1020
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 gatcccaaaa a 1091

<210> 111
 30 <211> 1091
 <212> DNA
 <213> Arabidopsis thaliana

<400> 111
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 ttcaaggaga tggagataaa gtttgtaacc gggatcttaa agtgacaaaag cgtatgaagc 180
 aacctatcta tgtttattac caacttgaga atttctacca gaatcaccga aggtatgtaa 240
 aaagtcaag tgattcacag ttgagaagta caaaatacga gaatcaaata agtgcattgca 300
 40 agcctgagga tgatgttggg gggcagccga ttgtgccgtg tgggtctaatt gcttggagtc 360
 tttttaacga cacatacgcg ttatcaagaa acaatgtaag cctagctgtg aacaaaaaag 420
 gcattgcatg gaagagtgc aaggaacaca agtttgggaa caaggctctc cccaagaatt 480
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 aagaagatct cattgtgtgg atgagaaccg cagcattgcc aacatttaga aaactttacg 600
 45 gaaagataga gtctgacctc gagatgggtg acaccatata cgtaaagctg aacaacaact 660
 acaacacgta cagcttcaat ggaaagaaga agcttggttt gtcaaccact agttggctgg 720
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 50 ctctaactcg cgtgtgtaaa tcttatccat ccatgtacac atacaatgta atttttgctt 960
 acatactatg taatccttgc ttgcaaaatg gtttcttcgg tgagagctta aatcccacat 1020
 aatactttgt tgttggttgt ccaaaccagt ctaatatatt acttttgtcc ccaaaaaaaa 1080
 aaaaaaaaaa g 1091

55 <210> 112
 <211> 1090

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
 <221> misc_feature

10 <222> (1)...(1090)
 <223> n = A,T,C or G

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 atatgaatct tcatgaggaa gaagaagacg acgacgccgt ttacgactct cctcctctct 180
 ctctgtgttct ccccaaagcc tgcacagaaa gtcattgaaac caccggaact acttccacag 240
 gcggtggcgg aggtattcatg gttgttcacg gcggtggagg gagcagggtt aggttccgtg 300
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 accgtaactt ccaccgcaag gaattacctt acttccatca cgcgccgcca caacatcagc 480
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 cgtcacaagc tctctctctt cagctcgctc tccccctcc acaaagagag agatcagaag 600
 atcnnntgga gacgtcttca gctgaagcnn gannnnnnnt tnnnnngang catangacta 660
 25 agtttacggc tgagcaaaaag gaaaggatgt tagcttttagc tgagaggatt ggatggagaa 720
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 30 cttgagaaat ttgagagaca aggtttttat tgtttaattt atgtacccat tttcctcttt 1020
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<210> 113
 35 <211> 1090
 <212> DNA
 <213> Arabidopsis thaliana

<400> 113
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 gacaccggag ctacggtcgc tccgatcggt aggtctgagg aggttgccgt cactaccggc 180
 gaggaagacg aagatgccgt ccttgatctg aaatcgaaac tttatcgatt cgataaggat 240
 gcgaatcagt ggaaggagag aggagctggt actgtgaagt tcttaaagca taagaacact 300
 45 gggaagattc gtctcgttat gaggcaatct aaaactttga agatctgtgc taatcacttc 360
 gttaaatacg gcatgagtgt tcaggaacac gttgggaatg aaaagtcag tgtgtggcac 420
 gctcgtgact ttgctgatgg tgaactcaag gatgagcttt tctgtatccg atttgcttct 480
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 aaagaagaga gcaaaagatgc cgtgacact gctggccttc ttgagaaatt gactgtggaa 600
 50 gagacaaaaa cggaggagaa aaccgaagcg aaagctgtgg agacggcaaa gactgaagtg 660
 aaagcagaag aaaagaaaga gagcgaggca gagaaatctg gtgaagcaaa gaaaacagaa 720
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 agatttgggt gaaatatttt ttcattgttg ttatctgaaa gactacattg gtttcattgt 1020

5 ttttaagttttt ctcatggatc ctttttggat ggtcttattt tgaggataca aatgtggttg 1080
 tccatggaca 1090

<210> 114

<211> 1089

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(1089)

<223> n = A,T,C or G

<400> 114

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 ttacatgatt gatacatcca ccaagacaat gactaaagag atagcctttc tctattcaac 180
 ttgtgaaagg agagaccctt ttcacgtctc tcattccctc attcgttctt tgtctactta 240
 catgtacact ctctcctaca tcttttttcc cattcttgca aatcttctgg ctactccgaa 300
 tatcaccgcc tttgtcaaca gccctttgtc caatgtacat gcaagtgcaa tcgcccctcc 360
 25 taccactagt atcttttggtg tgtttttccc cgttggcttg tctcctgtaa cctctgctat 420
 cgaacccttc tcattcatga actcctctgc actcactttg gtgttgatat gagccattat 480
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 gggatttccc atatcttcat ggtgaaatag tagtacctca catgatgtca tctcaccatc 660
 30 gcctcttttc gattcaactg cacggatgcn ncagcttgna tagtacaagt cgactcgcct 720
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 35 gaccatctcg ggagtggcat cctcaaacac agttctgcta cggtagctgg gagggccatt 1020
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<210> 115

40 <211> 1088

<212> DNA

<213> Arabidopsis thaliana

<400> 115

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 aaaggactca gaggtttttg aatggcaaga ccggatgaga aacctggaaa ggaagtggct 180
 tttctcggtt gcaggagccc cacgacctga caatccgaaa tctatcagag ggcagatcat 240
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 ggtcttcttc catccgggtt cagcctacac gcaatacacg tggcatctac ccaagaacta 480
 cacaacctac tcggtattca tccccgagga tgatgttcgg aagagaaaca taagcatcga 540
 ggagcgactc ctccagattc cagccaagca ggtcaagata atgagagaga atgtcatcaa 600
 55 cctcatccca aggtgatct acgcagaccc gagatcagaa ctggagacgc agaaagatgc 660
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5	cgagggccga	accgagtatg	actacttcgt	ggaggagaac	agctggaagt	atgcgttgct	780
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	gcccggagaa	gatggcagca	gcatggttaa	tggaggcacg	actatttcag	cagatgcagc	900
	taagaattca	tggaagagt	agcagagaga	taagacacag	tgaaaagaga	cagaaaccac	960
	attttggtac	ggttttgata	tagttttcgg	ttactattta	tacggacaaa	aaatgattta	1020
10	tttttgttgt	attggtatca	aatgtagttt	ctccagtttc	atagagataa	gtttgtttgt	1080
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<210> 116

<211> 1088

15 <212> DNA

<213> Arabidopsis thaliana

<400> 116

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	ttaaaaaaaa	aacagagaga	tttatccaca	caaagacaaa	ccaaattgaa	aaaaaagaat	180
	gaaaaataag	tttttttttt	ttgttccctt	ccgtttcttc	ctttcatttt	tttgttacgt	240
	acaaagatgt	tttcatacaa	gagaagtaat	cataccatct	tgaaaacaaa	tcaaggcttt	300
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25	actgccggag	ccggagtagc	ctcttccctt	ttctcctcta	cctctggttt	cttctcctcc	420
	acgaccgcgg	tttcaggggt	ctcgcccttc	tttgtctctt	caacaatctc	ctctttctca	480
	ccacttggtc	cttcgggttt	ggctggttct	tcagttttgg	caggttcttc	agctttcact	540
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	aatatgaacg	tgaccgggtc	tgcgacatag	ccagctccga	agctagacga	agcctcactc	660
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	gctgagtttt	tcttcaaacc	agccacctta	gggtctctca	ccaaagcctt	gacttctgca	780
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<210> 117

40 <211> 1087

<212> DNA

<213> Arabidopsis thaliana

<400> 117

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	gaaacaaaag	tctagtagtc	tcgtaattcc	aaagtttcac	aaaactcgac	atcctttcca	120
	aatcccacct	caaacatgta	cataaacgcg	tttagaacat	tgtggtttga	aattattttc	180
	tcaatgtaac	tcaaacatgt	aacgaaagag	aggggacaag	acaagaggga	gaagatgctg	240
	agcttgatgt	ttgtgtatga	tttccggttt	agatatgacc	ggcccaattt	tgggagctat	300
50	cgactctagg	cattttggta	ccctctctct	tagtctcagc	gtcaaccttg	aaggttgac	360
	cacacacgtc	acctgagctg	tccactctcg	gcactggctt	caactcgttc	tttgggtgct	420
	caaagctcct	caatccaccc	gacgacgtaa	agaaacaacc	tttagggaaa	ggaccataag	480
	atttggcgca	acctttcttc	accatctcgg	tgttatcaga	aaacacaagg	tgccttcag	540
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55	tcttgacgct	atcgaagagt	ataaacgcaa	actttccatg	gaaatctcta	acaactttgt	660
	ccacagggta	aggacctcga	tcacgtagt	tcctgtaagc	ctcaatcaca	atgatggcct	720

5	cgtttgtgat	tttgttcagt	ccatactgct	gcttcagaaa	cggtaggttc	tcaatgtgtc	780
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	gattatcaag	agagtaagca	acaaatccag	aagatccgaa	gttaagcgtg	acggagttgg	900
	gattcacgga	agcgaaatga	gtagcgagag	atccatcttt	caacgcgaaa	gcagactcag	960
	acgagtgtgg	actctgtaaa	gcttcagggc	tattcgccac	cgtcttctca	aacacagcga	1020
10	gcatttttct	cagtgatgat	tttctcggga	aaataaaatt	tgcagaaaaga	agaaaaacgga	1080
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<210> 118

<211> 1085

15 <212> DNA

<213> Arabidopsis thaliana

<400> 118

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	ttactgaact	tgagatgggg	aaagggtgaga	gtgagcttga	gcttgggtcta	gggctgagtc	180
	ttggcgggtg	aacggcggcc	aagattggta	aatcaggtgg	tggtggcgcg	tggggagagc	240
	gtggaaggct	tttgacggct	aaggattttc	cttctgttgg	ttctaaacgt	gctgctgatt	300
	ctgcttctca	tgctggttca	tctcctcctc	gttcaagtca	agttgttggg	tggcctccta	360
25	tagggtcaca	caggatgaac	agtttggtta	ataaccaagc	tacaaagtca	gcaagagaag	420
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	gaaaagtggg	tttgaatgct	cattcttctt	acgagaattt	ggcgcaaaca	ttggaagata	600
	tgttctttcg	cactaatccg	ggtactgtcg	ggttaaccag	tcagttcact	aaaccgttga	660
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35	ttgtgtattt	tcttggttct	tataatgggt	tttactgggt	ttcttttagtt	tttttttttt	1020
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	ttata						1085

<210> 119

40 <211> 1084

<212> DNA

<213> Arabidopsis thaliana

<400> 119

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	tcaaccttcc	ctgattcaga	tgaactgccg	tactttgaaa	gtgatacata	tgttgcatat	180
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	tctcagctac	agtctctttc	ggattattta	tctttgaagg	ctcttattgt	gtcttggcta	300
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	tactattcag	atcttccttg	ggtgatcagc	aaggctcctgt	tttataagca	gacatacttg	420
	gcaaagaacc	gttttaggaat	caccaaagag	aacgcagagc	aaagagaaaa	acagatatatac	480
	aagagagcaa	gtgaggcata	tgaagctttg	tcgactaggt	taggtgagca	gaagtttctc	540
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	cgatatgctg	agaaaactta	gtcagagttc	cttgaagcct	cttcttcata	tccttcacct	720

5	ccacttcaact	cattcccttc	ctcattttcca	agaaagagtt	cgaagccaaa	gagcaaacca	780
	aaggtagaaa	agaccgaaga	ggagaaaaaa	tttaagaaaa	gagcaagggt	ctttctagct	840
	gctcagtttc	tagctgtcgt	cattttacgta	tcagtgatgg	gaggaggtag	ttctgatgaa	900
	ctggagtatg	aagatgaaga	tgactaaact	aaagcttttc	ttattaaatg	gaccggtaac	960
	tctcaggcga	actctctgag	actaagataa	aaacataacc	agtaatctct	acgctttttt	1020
10	cttcttgaac	tcttagttat	ggagaggata	cagatgtgag	atttagtcac	attataatgg	1080
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<210> 120

<211> 1084

15 <212> DNA

<213> Arabidopsis thaliana

<400> 120

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	aggttgaacc	gcgacttgtc	gtttacatcg	atcggttcat	cggccaaaac	gtcgtcggtc	240
	aaggttgaag	ctaagaaagg	agaatgggtg	cccggtttgg	catcgcctga	ttatctcacc	300
	ggcagtcctg	ccggtgacaa	tgggtttgac	ccgttggttc	tagcagagga	tccagagAAC	360
25	ttgaaatggg	tcgtccaggc	agagctgggt	aacggacgat	gggctatgct	cgggtgtcgt	420
	gggatgcttt	tgcccggaag	tttcaccaag	atcggaatca	taaatgttcc	tgagtgggtac	480
	gatgctggga	aagagcagta	ttttgcatcg	tcgtcgacat	tgttcgtgat	cgagttcata	540
	ttgtttcatt	acgttgagat	cagacgggtg	caagacatca	agaaccgggg	aagtgtgaac	600
	caagacccta	tctttaagca	atacagctta	cctaagggtg	aagtgtggtta	ccctgggtgga	660
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	accttcaact	aaagagtga	gacagactta	tgatctcata	cctatctatc	ttccatcact	900
	ttcatgtctg	tctgtgagtg	tgtttcatct	tagagttctt	ggtttttgag	cttgaattat	960
35	tgttgaaccg	ttgtagctcc	atgaacaaat	ttggaatctt	caatgtacag	aggaactaag	1020
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<210> 121

40 <211> 1083

<212> DNA

<213> Arabidopsis thaliana

<400> 121

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	cggagattcc	agcttgggaa	tcttcggaag	gattgggaaa	gacgttccctg	cgattagccg	240
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	ctgatctcgt	tgatctccaa	gtcctaaatg	gtcctgcttt	gttgggtgat	gttccgagag	420
	ataagaacat	tactgctgag	gtaatggaat	cacttcatat	acaaagagga	gttcgtcgtg	480
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	gctttgctgg	gttcatgacc	gatggggcta	aatgggttgt	tgagaataca	gacatcaaac	600
55	ttattgggct	tgattatctt	tcatttgctg	cttttgagga	atcacctgca	acacacaggg	660
	ttataacttaa	aggacgggat	ataatcccag	tggaagcgct	gaagctggat	ggtgtggagg	720

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<210> 122

<211> 1082

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(1082)

<223> n = A,T,C or G

<400> 122

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 agcgcttttg tttggcaata tcgggatgca gatccaggct ttggttcttt acaagcgaag 180
 gaaatgctag agcattttaga gagtggttcta gctaattgagc cagtggcagt caaaagcggg 240
 cactacatag tagaagtcaa gcctcagggg gtgagcaaag gatccgtgtc agaaaagata 300
 ttttcatcaa tggccggaaa gggaaaaccg gttgatttcg tgttatgtat tggagatgac 360
 30 agatctgatg aagacatgtt tgaagcgatt ggtaatgcga tgtcgaaaag gttactctgt 420
 gataatgctc tagtctttgc atgcacagtt gggcaaaaagc caagcaaggc taaatactac 480
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 35 ttggtctgta tgtgtttgtc agattgaaaag aaanaaaaga agaaannnnt agtgaaagag 720
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 aatcaaacaa tcaaaggagg aggaaaatag atgtgttttg gttcatcagg gaaatgtgtt 840
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 cttattacta ttattattgt tatttgaat tggatgatct cttgaggata tcaaatttgg 960
 40 attcggctgt ttattggatc tgaacgaaaa cgaaactgtg aagaaaatgt ttgtaaagat 1020
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<210> 123

45 <211> 1081

<212> DNA

<213> Arabidopsis thaliana

<220>

50 <221> misc_feature

<222> (1)...(1081)

<223> n = A,T,C or G

<400> 123

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5	aagaagaatt	caaaactatg	agaagaaaan	nngaagaaga	aagttgattc	gaaatctgaa	180
	aagcgaaatg	ggtaaanng	aagctctcaa	tcttcaacct	ttgggcctct	gtataacgct	240
	ccaactacgt	tagtatgatc	ttctggatta	tcatcccttt	cttgagacca	tgcataacct	300
	tcctttctct	cttcactgct	caaaacgtcg	tcgtcctctg	atgagagttt	gtctaaaggg	360
	aattctagga	aataagtgc	atgtctgcct	tctggattgc	agtaaggagg	tcctagcacg	420
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	ctggtttttg	aatctctcat	tggagcatca	accaccaat	catatgactt	gatgtgcatt	600
	gtaccaaaaga	gaagcttact	aaaaactgtc	atccctggat	ggttatgaag	aggaataaca	660
	ccagaagggtg	gcaaacagaa	aatcccaatc	gagaattgat	cacactggtg	tagatgcaga	720
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	gtcggaggtta	aaccgacatc	ctctggtttc	atatcgtaaa	gaatctctcg	tagctgttgg	840
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	ttaaacaacc	gccgcaccgc	cgtgatccca	tccgcggggg	aatcaatctt	cttccgctcg	960
	cacgtcatca	tcatcttctt	attcttgttt	ttgttcttct	tcttcacaga	attgggatta	1020
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	a						1081

<210> 124

<211> 1081

25 <212> DNA

<213> Arabidopsis thaliana

<400> 124

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	gggatacttc	ttattgttcg	ctgttgcttt	catgtgtttg	gatgcgagaa	cggacaaaac	120
	gcaagattat	acgtcgtttc	agtaccataa	aggagctctc	ctcaccggag	acgtttccat	180
	caacctaatc	tggtagcgta	agtttaaacc	gtcgcagcgt	gcaatcgtaa	ccgatttcgt	240
	tgttccctc	tcgtcttccc	ggagatcgac	catggctcaa	aatccctcag	tcgccacgtg	300
	gtggaagacg	gtggagaagt	attaccaatt	ccgcaagatg	accacgacac	gtggactcag	360
35	tctctccctc	ggagaacaga	tcctcgacca	aggatactca	atgggaaaat	ctttaacaga	420
	gaaaaacctc	aaagacttgg	ccgcaaaagg	tggccaaagc	tacgcgggta	acgtcgtgtt	480
	gacctcagct	gacgtgacgg	tccaaggctt	ttgcatgaac	agatgcgggt	cacacggggc	540
	tggttccggg	tcaggcaaga	aaggatcaag	attcgtttac	atctgggttg	gaaactcaga	600
	aacacaatgt	ccaggacaat	gcgcgtggcc	attccacgcg	ccggtttacg	gaccgcaaag	660
40	cccaccacta	gtggcaccaa	acaacgacgt	tggtttagac	gggatggtga	tttaacttggc	720
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	tggttatgct	ggagagttac	ttgtggatgc	aacgaccggg	gggagttata	acgttaaggg	900
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45	gactctgttt	tgaataccta	ttagtatacg	ttagatacga	tattctttta	tttatacttt	1020
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<210> 125

50 <211> 1081

<212> DNA

<213> Arabidopsis thaliana

<400> 125

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5	cgttgaaaat aaaggacttt attgatcgaa ataaaaaaga tagtggggttt cttttgaaat	180
	attattaata atgggtcggtg cgtgtaaatt tggaggcatg tttctgtata atctgccatg	240
	cttcagtgac atgcttctct tccgttaacg gtgcaccaac agcaaatcgt aaaacgaatt	300
	ttccagatag agccgtgtga gagatgaata tcttgccagt ggagttaaca gccgcaagca	360
	gttcacgggtt acgttcgtta cattgggtctt catcgccgtc aactggcgca aggcgaaagc	420
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	cttcaaaatg cttagcgaga ttgacatggt ctcttataaa gtttcttaag ttctcggaac	540
	catagagccg taaaaccatc cataacttca gtgatctgaa tctccgagag agagaaatct	600
	gccaatcttt ataattttacg accgtatctt ttttggaac cttgaattct agatactcgg	660
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	catgcaacca tatcccatat ttctttgcga tgttccccaa tgggaccaa ggatcaaccg	900
	ctgtctgaaga cgttgtgcca acagtggcac aaatgaagaa agggataaaa cccttagcga	960
	gatcatgaga aatagcttcc tcaagtgatt ctggaggcat tccatagttt gtggaagaat	1020
20	cagttttgag cagcctaatt ttttcttcat gtatcccacc aatcagacaa gcttttcgga	1080
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<210> 126

<211> 1079

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(1079)

<223> n = A,T,C or G

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	cataatcatt atctgtcaca caatgcaata gaaaaggtag aaaagcacia aaaacttcat	120
	aataataaca agtctcattt tattggaatg gtctgagaaa tcaatatgta gtagacaagg	180
	ttagcttttt tgctaagcat agagttgtct tgaggtctaa acaagtcttt caatatatag	240
	ctactcttcc acctaaagaa gctttctcat gttccagtga catggtagta ccattgtctg	300
	ccacattacg ctatgttctt gaactagttc tcagttccaa caacagacgc ttcattgttg	360
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	aaaccattct tgatcagcaa ttcagctact ttogacgagt taccatcaaa attatcaaga	540
	acacaaacaa ctgtattctc agcatcagag aagcttctct taannntcgt caaaaaccct	600
	tcttcatcat tctcactaaa cnnaanctga acagaactct tacccaaaaa cttaagattc	660
45	ggtgatgcta acaaagccaa agtcttgaca tctctaatat ccaaaagctg agaatcagat	720
	tcattcttaa gcttacgaaa cgcgttcatg gcggatattg gtttatactt cctcaagtaa	780
	aacatcacag ctggataaac aacaagatag gtaaaagtac atcccgtac gaaaaatgga	840
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50	agttgggaaa tggttacaga gagattggtt ttggttagga gatgtattgg aggttggttt	1020
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<210> 127

<211> 1078

55 <212> DNA

<213> Arabidopsis thaliana

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<220>
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<222> (1)...(1078)
<223> n = A,T,C or G

10

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agagaccttg tcgacgaaga aatttggtga agatgggaag agattcgagc atcttgcatt 180
15 tctgaatttg gctcagaatg taatctgctt ggtttggtct tatataatga ttaagctctg 240
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ccttgcaaaa tcttccaaaa tgattccagt tatgctgatg ggctccttag tttatggcat 420
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ttccattacc gcaangtacc ccaaaactaa cgcattgggac ataatgctgg gaatgaattt 660
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ttaccaaatt tacctgaaat ggaggaagct gcagagaatg cagaagaaga aaaaggcctg 1020
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30

<210> 128
<211> 1078
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<223> n = A,T,C or G

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aaaaaacaga gtacgtagaa agaaactagt ttaaaaaaac tattgcaact tcttcttcca 180
45 tctcagtttc aaggcttgag tgcgagagcc aatccaactt tagcactctt gtcaattgac 240
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5	gcaacaccgg	caggagagaa	agtgggtgata	ctgaatttct	ggtcactggt	gtgggtctttg	960
	tacagaagat	ctctggcctt	tttgccgatt	tcggtgtaga	gaccgggacc	tttcaccatt	1020
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 10 <211> 1077
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 <213> Arabidopsis thaliana

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	cagaccgag caagggttgc cactctcaca ctggtacaaa tttcacaaca agctctcaat	180
	ttgggtccaaa ccagaaaaaa ataaaaatga atgatgagt acgagtaagg caagaacaaa	240
	cagagaagaa aattcgtgga gccgtgttgc ctggatgaat aatgtaacct gagtactttt	300
20	atcgactgat attacatatc ccagagtaaa gaaaaagcac aggcgagcgt attcttgatt	360
	acacgaatga agtcaagtgc atcatgtttg gcttgatctt accggtatcc accaccatag	420
	gattgttgag ggttgtaacc accttgacct atcatcggat tgtagtatt gccaggcatg	480
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25	ttcattccgg ccccatacc catacccatg ggttggttct ggttcatacc tccgtagcta	660
	ccaacaccca ttctccgcc catgggcatg ccagagcctg tcattggatt aggtggagg	720
	ctcatagcag ttgcaccaga acgccctaag ccagtgcctg atcccattgg tttaccata	780
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	atcgccctga agtcaactcc tatgtctgcc aatggatttg ttttagatcc agatatgtta	900
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	ttctgaggcg gaggaacaat ctcaattgct cctgttaaag gtgtgagatc tggatgagat	1020
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 35 <211> 1077
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	tgattgtcag cagggtgtgg caggacctt atctggtgac cgtatggtag ttgctctctg	180
	gaaccgttgc tctgagccag caactattac agcatcatgg gatatgatcg gtcttgaatc	240
	taccattagc gtttcagtaa gagatttgtg gcagcacaaa gatgtaacag agaatacttc	300
45	tggctccttt gaagctcaag ttgacgcaca cgactgtcat atgtacgttc tctactccca	360
	gacagtatca cactctgatg tatagttctt tattgtgagg cattcaaact ccaaagaaca	420
	gagattgcct ttgtgtttct gtatactcgt gtatcttgta aaacgtgaaa cctgttgta	480
	cccaatgcac gaatcgatat acaaatatga aaaaaacaaa ttcaaaacaa gaaaacttgc	540
	aagttacaac aaatagaacc attaataata cagtactcac actcacaacg acaacgtacg	600
50	ttctcgttta ttattcgatc cacatatata cgccaaagta aataactaaca aaacgacatc	660
	gtcccattat ccgcagcaat taagagcttt gtttcttctt atgggcactt gcggcgcca	720
	ccgtgggtgg tgaggctagc gtagcactgg cacttgtcgt agtttccgta cgtaccgga	780
	ggcacacagt tgcacctgta gcagcaagtc ccgcacgctc tgtgacacag cctcggcctc	840
	ctcgaaagcc tgcaccgtgc tacacacgca ctcccacaat cgatcttctt tgcgtaacca	900
55	tttttcttct gtgagtttcc gacatcagcc tggacgagtt ggagaacaag aagagatatg	960

5 agaagagaag cgataagagc ttttgaaata gccatgattc tccaaggaga gtttatgatg 1020
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<210> 131

<211> 1072

10 <212> DNA

<213> Arabidopsis thaliana

<400> 131

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30 gaagagggat gtccagaact tcataatata aaatgtcaga cgtctgattg tagtgaacta 1020
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<210> 132

<211> 1072

35 <212> DNA

<213> Arabidopsis thaliana

<400> 132

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acaatggaga tattacttaa cacaaatata taaaagggtc catttttagtg gttgggtgaaa 180
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5

<210> 133
<211> 1071
<212> DNA
<213> Arabidopsis thaliana

10

<400> 133
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15 aaactccgaa ggagatgctc ttacgctctc tcgccggagt ttaacagatc cggaccatgt 240
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30

<210> 134
<211> 1070
<212> DNA
<213> Arabidopsis thaliana

35

<220>
<221> misc_feature
<222> (1)...(1070)
<223> n = A,T,C or G

40

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aataccgtac gatctctaga ggaggaactt cgattcttga caaccttaac gctttgctcg 180
45 gtcccaagac gcaagattac atctctttct atggtttgag atcgtacgga cggctgtttg 240
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accggatcgc agtgatcga tcttctaata taaacgatag gagcttacta ggttcacgag 360
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50 tcggccttca cgccggagag atgcaaaaga tcgaagatcc aatcaaagat gcaacataca 540
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5	taatagagta cctaagctca cacgttactt atgtatagag atgttagtta tatagaaaga	960
	agaaattcat ttgattgctt cctaggttcg cagaggtatg tgtgtgtata gtatacactt	1020
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<210> 135

10 <211> 1070

<212> DNA

<213> Arabidopsis thaliana

<400> 135

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	ttggttatat aaaccagaaa tgaaaagagg gagagagaaa aaaaagactc aagaatcaga	180
	atgaaactct gatcttattg ttttgttagt aaataagatt taatcaggcg acatagtaga	240
	tggagttagg gagcttgaag gttctcttgg gaactggaca accagagaag ctgttccatt	300
20	gtgcacccat cactcccaa actctgtacc caagacttgt aagccatgtc ctcaaactctg	360
	ctttgtattg gctcacactc ttcttttcat catcttctcc cctcagaagg aggttagacc	420
	agctgtggta accggcttca ataagatttt cgacggtggc agatctgaga tactctttac	480
	gagaagagat caaaaagatc ttgaaacctc tctctctgat ctcagtgtac aacttcacca	540
	tgtgtggaac cgctgggtgcc ttgcccgaat tttgccattc ctcgaaacttg gtcgtgttca	600
25	gttgctcacc accgaaacaa ccgttgctct tgtggtaagg aatggttgag agaagagtgt	660
	catcaatgtc aaagatccaa gcatccatgc catcgcatgt cttcttctcg caacaagttt	720
	ttccgaggta gaggatggct tcatcgacgg ctctctccac gtcattctcg tattgagatg	780
	aggtcattgta cttttggacg aaccatacac attcctgtgg aaccacctta aagtcacctta	840
	tgttgtttaag ctccacgttg actctccagc tctcacagta tccgtttagg ttgggagctt	900
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	tcaggatgtt ccagtcacga gctgagacaa ttccggcgaa gaggaatgtg agggtagcg	1020
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<210> 136

35 <211> 1069

<212> DNA

<213> Arabidopsis thaliana

<220>

40 <221> misc_feature

<222> (1)...(1069)

<223> n = A,T,C or G

<400> 136

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	gcagatgatt caaatgaaaa ctacacgact catgactaat ggaaacacgt ttctctgaaa	180
	cgtgaatcat cttagataga tttaaagcaa aagaaagaga tgcaaagtcc cgactgaatg	240
	ttccagtgaag agtgatcagt cacgttccact aatggccgtc aagtgtctgt cgatctcctc	300
50	tgttctcagg gaacggaaga gagggatcat agctctcaca actccacact caatttcagt	360
	tgctttgaag tcttcttgaa gaacagattg gagagcggat atagcagtct gtactgtttc	420
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	ttctttcata ccagcactag ttgccttggt accgtaaaaa tgtccagctg ggtcacactt	540
	gtaaagtaga ggtcctctct cttcatcaat acctagaacc atggcaacta ctccaagggg	600
55	tctcatgtaa gcatgttgtg tgtaannnng agacttatct gcaatccatt tagcaagaat	660
	atnnnnaggc atctcatnnn catattgggn nctaaactca gcagcctcat tctagcttg	720

5 ttgtaccaat gaccttgaat cagctgtcat gccagtggct aacaatccaa ggtacttggg 780
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<210> 137

<211> 1068

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1068)

20 <223> n = A,T,C or G

<400> 137

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 25 aacagaattt agataaaggg ttcaaagctg ttccggttag tcatcattca ccgatgaact 180
 tgcgcttttt agaggtgttc atgtacgggc ttataaccca ttcgatctct gcttcatttt 240
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 30 agatatgttt taagatgttt ccaactcttt gacctatctg agtagtaaag ttgttaaaaa 480
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 35 taggaaacac aaacttcaat tccttagtga atcggatgag cggagcactt ggatttcctag 780
 aagttgtcaa caaatctttt ggatctgctt ccgtagcatt ngcatattca tcatcgatat 840
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 gcttctgtct atagacctta cgctcatcac cttccaagct tttcctgtag atatactctt 1020
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<210> 138

<211> 1068

<212> DNA

45 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1068)

50 <223> n = A,T,C or G

<400> 138

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 55 ctaaagatgt tgtctgcaaa tgtttgtgtt tcaaagaaga gcagatttaa gagacttggt 180
 tagtttctca agctccttaa gtccttcagt tggcgacttt gcatcaccca atagctttac 240

5	cattgcactg	cctacgatca	ctccatcagc	tcccatcca	gctatctgtt	tcacatgctc	300
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	caagagcgac	tgaacctttc	cgcttacaga	tgatcgtgca	ccagtcactc	caattgagct	420
	cacaaggtaa	ataaatcctt	ctgacgcac	aacaattagc	ttcattcgct	ctgttggtgt	480
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10	ctcagtttcc	ncnngaggaa	catcggaac	cacaagtccc	tgtacaccaa	cagctctgat	600
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	tgttcccctc	tccaacgacc	ttgttgccgc	agcctgaata	acaggtccat	cagctaaagg	780
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	ggagagagaa	gccatgggag	tgaatctctt	gaaagaaagc	gatgaatcag	gaggagaaga	1020
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20 <210> 139
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 <212> DNA
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25 <220>
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 <223> n = A,T,C or G

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	tcntaaacc	tcaacgccgg	cgaagatgac	ggcgacgaag	acgacaataa	taacaattct	180
	gaagataaca	aagctttttg	gcaggaacac	gaacaacttc	ttcaggggac	actgtatagg	240
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	cgtggcgaaa	tctctagaca	cctaagagat	gtcgccggct	acgattgcgt	catctctaaa	420
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	tgtactatgt	ttttttgatg	acttgnantt	attaagtgat	taggggtgag	catgagtgtt	960
	aattatgggt	tctgatttga	acttagcaag	aatgggtctc	agcggctgtg	attcgagcct	1020
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50 <210> 140
 <211> 1067
 <212> DNA
 <213> Arabidopsis thaliana

55 <220>
 <221> misc_feature

5 <222> (1)...(1067)
 <223> n = A,T,C or G

<400> 140
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 aaaggatata ctagtgtgta tatagtgtga catcttaatt atttttaata ctctctcatc 180
 gattatatga aaacccttca acgtctatct tcttttgatc acctgacggt gttacagttg 240
 gttctggcac tgatggggta agagatccta acacggcaag caccagggag acgagcagca 300
 cgaccagcgt taagtcgaga acccaaggct ctgctgctc cctggatata acgacaagct 360
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 aaaaaannna agnacaagaa ggagaagaaa catcatgatg atggtcacca cagcagcagc 780
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 25 attatgctca tgtatcttat ctaaatacaa aataataatt tgatgaatca taacttgtaa 1020
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<210> 141
 <211> 1066
 30 <212> DNA
 <213> Arabidopsis thaliana

<400> 141
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 cagaggaatt taagaattgc atcaaacaag cagagaaata tgaggtaata tgtgttcatc 180
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 40 atcctgaaga ggctgtgcaa gccgcagcgt tgaatcctct gtagtaagct gtgaaaggag 420
 ccttggaacca gtcagtcttg actagaccac ctctcgtggc ccaatcgtct gcattccaca 480
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 45 tgtctccttt cccttgagca aagacattgg tgtgaagaac ataaggcttc cctgtctcgt 720
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5 <211> 1062
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<210> 146

<211> 1062

10 <212> DNA

<213> Arabidopsis thaliana

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<210> 147

<211> 1059

35 <212> DNA

<213> Arabidopsis thaliana

<220>

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<210> 148
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 <212> DNA
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 <212> DNA
 <213> Arabidopsis thaliana

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<210> 152

<211> 1055

<212> DNA

15 <213> Arabidopsis thaliana

<400> 152

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	ttctctttaa	caatgtcttt	ccctaaacta	gataatggag	gaggtgatgg	atctctagtc	900
	ccaaattctt	catttccttg	agatccaggg	gaactcaa	tgccatcact	gtctctctca	960
	tcttggtctt	catgttcac	atgtccatga	ccattgaagc	ctttgttgtt	ggtagcgact	1020
35	ccagtggctt	cctgctcctg	ctgcttcttc	ttcaa			1055

<210> 153

<211> 1055

<212> DNA

40 <213> Arabidopsis thaliana

<400> 153

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45	catagcatca	tatacttaat	tctccaaaca	gaaatcagat	atacacacat	aaaggctttt	180
	ggattctctt	atagttataa	actggatcac	atcactgaag	catcgtttta	tgcttttcag	240
	ttgtcgcctt	gcctcagtat	acgcaatatg	gtcaagaaga	gattgaggat	gtccaagtag	300
	agagctactg	atgctaggat	gtattcgtca	tatgtgaaac	gcttgatgag	gtgtcggta	360
	tcatagacta	tgtatccgca	gaataccaag	gcaactgaatc	ctccgtatac	ggcaacagaa	420
50	gtcggggcaa	gaggggaaga	catctggatg	aagctgggtca	ctacaagaat	gatgaggctg	480
	gtgaagagaa	tgggtccaag	gaagctgaag	tcttttccct	tctttgcagc	ccagaaagtg	540
	tatgcgggta	gagatccgac	cacagacaga	gtcaatatca	aggctttag	cacaattcgt	600
	ccttctgtca	tagcacaaact	gacaccaaca	gtgaaactca	atgaaacagt	gaagagggca	660
	aggaggatca	ggttaacagg	atgcttctgg	tggtaaatgt	gcagaggcca	gattaagatg	720
55	aagggaacga	tgcaagaggaa	gagaagaatc	ccaggagatc	cggtaagag	atcgttaaca	780
	ggaggattaa	gaacaacgac	ggcggagata	agcgtcgtaa	gaagaagctg	agctgagaga	840

5	atcccataga ccttacgaat aaatcccat	cggagctgat tctcgccgta acttagccca	900
	ggataaagcg tgcgttctcc gactcccatc	tcaagatcaa tatcctttcc ggcggaacga	960
	tctatgccgc tcatgctcac gctcgcgat	ccgtacgggt tgtccatggc taatagctag	1020
	attcgtcttc gaaagcagat ctggactagt	tctag	1055

10 <210> 154
 <211> 1054
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
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 <222> (1) ... (1054)
 <223> n = A,T,C or G

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	gaaacaaaac ggaaagaaaa atgcttgaaa	attcccataa tagaatcaaa gtttacactc	180
	cttggggagg ccttgaggga atctcttaaa	atcgggtacaa tagttgtaga tcatgaagtc	240
25	tcggtgcacc cacatcattt ttccgtactg	ggcaggattg agagtcgtcc acatccacga	300
	gttgctgttt ggctcgcaag tccccattt	tgagcttgat gtccctgctgc atgagctttg	360
	gtcgttgaag tttctgtaag aggccttgaa	tggtgcgttg ctccagtcga tcttcacgcg	420
	accgccttct gtagccagat catcggttn	ncaaanntt gagtatatcn tcatcggtg	480
	gttcttaggg taagccaccc catttttctc	gttggtcttg aacaccgaa ttgggatccc	540
30	atccacaagg aagatgatgt taacagggtt	ccagtggacg gtgtaggtgt ggaaatccgc	600
	agtgggatcg aaccagagac ggaactgcat	ctcacggtcg cctttacctc cgggtaacac	660
	attggtgtgg atagtgtga gatgtcctgt	gcgatttccc aaaaactcga agtcaatctc	720
	atcccatgcc gtgcctttt acgataggta	gtaggcggtg acggtgccag cagagtttcc	780
	agcgacaagc ttgagcttca tgtcgatctt	accaaacaag tactccttct tggattgaaa	840
35	acctgagccg gagaccttgt caagagtaca	agtgagaagc tgtccattct cgaatatgtt	900
	ggcacgacca ttacccaag tgatatcaaa	gctctcatag aagtttccgg cagatgcagc	960
	caccacaaag aagccaatgg caaggaggag	agacaacaac agaggctgtt tgggtgcgaa	1020
	acacgccatt tttccccgat tctctgttgt	ttct	1054

40 <210> 155
 <211> 1054
 <212> DNA
 <213> Arabidopsis thaliana

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	ccatgtaaac atacgatgtc ttaccacaat	aaattttacg ggaagtaagt tttcttaaga	120
	ctcaccactg actttggcga caataactga	agcatagtga gcaatgtag cctcagggga	180
	ttgtttaagc cttgcaatga ccgggaacaa	ctctgatgac ttcacaaact gtctgcaaat	240
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	cgctgtctct ttcttgcttg ggttcaaggc	aagagtgcag caatccgcaa ctagcctcag	360
	taacgtttgt aaagctccct tggagactat	atcttcacag agtttggttg agtttcggac	420
	aagggtgtct aatgcaccag ccgcgtttgc	ttttgtcttg tcttcttcag ccgtgggtcaa	480
	aacgtttgct agctgcgtta tagatcttct	tagctcttca tacagcgtgt cgttatggta	540
55	agccgcattt ccaatagcaa aacaagcgaa	tttctgtgtt cgtttgctcg gatcagcgca	600
	togatcaatg aggagaccga tgatttgatg	ttccgcaaga gcgctgtaga aatatccatt	660

5	gtgtctgcac	atattgccaa	gagcactaca	agcttttgca	cgtatatttg	gatccacatg	720
	ggtaagatat	tctttcaaag	gctgtaaaac	agaagcctcg	ccgatgtatt	tataaaaagc	780
	cttatccatc	ctcgatagat	cagatatgat	catcaaaata	tcaagtatga	cttctcttgg	840
	acttgattgg	ttgagtaatt	ttttcattct	attaggatct	aacagacctt	tgctcacgag	900
	atctacagca	agacgtggac	gacccacat	tttggcaaga	aaagcaacgg	gccttactaa	960
10	atcttttaat	tccaaatgat	ccaagcaacg	taggattaaa	ctcggcactc	ccacctccag	1020
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<210> 156

<211> 1054

15 <212> DNA

<213> Arabidopsis thaliana

<400> 156

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	actaacttga	agaataagga	attgattgga	aaatctgacc	cttatgctac	catctacatt	180
	cgtcctgtat	tcaagtataa	aacaaaggca	atcgagaaca	atctgaatcc	tgtctgggat	240
	caaacattcg	aattgattgc	agaggacaaa	gaaacccagt	cgctcactgt	agaggatttt	300
	gataaagacg	taggtcaaga	tgagcgcctt	ggacttggtga	aacttccctt	aagcagtttg	360
25	gaagccggag	ttacaaaaga	actggagcta	aatctgttgt	cttcacttga	tactttgaaa	420
	gtaaaagata	agaaagatag	aggaagcata	actcttaagg	tacattatca	tgagttcaac	480
	aaagaggagc	aaatggctgc	gttggaagac	gagaagaaga	tcattggaaga	aaggaagaga	540
	ctgaagggaag	caggagtgat	aggtagcaca	atggatgcag	tcgggatggg	gggaagtggg	600
	ctcggtgctg	gtgtaggaat	ggttgggacc	ggtattggca	caggagtcgg	attggttgga	660
30	agcgggtgta	gctcgggtgt	tgggatgggt	ggtagcgggt	ttggagcggg	cggtagtgga	720
	ttgagcaaa	caggagatt	tatgggaaga	acaatcacag	gtcagtctag	caaacgtagt	780
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	aactttgggt	ttaagcaaga	tttgtgatca	tgacttcggt	tttactcttt	attgttctgt	900
	ttttttcccc	tttaactctc	tcgaacttga	tttctggatt	caactgcagta	atttgttttc	960
35	gttgtgagcc	ttcaaatata	aatcttgtac	aaaagtcatt	tgcttaatcg	tcccataaac	1020
	aatagattcc	ctctcaaaaa	aaaaaaaaaa	aaaa			1054

<210> 157

<211> 1053

40 <212> DNA

<213> Arabidopsis thaliana

<400> 157

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	cacctgttta	aaccgccaaa	acatcccgtc	aaaccacctt	agccccctac	cgttaaacca	180
	cctactcaca	ccccaaagcc	tcccactgtg	aagcctccac	ctccatacat	tccatgccct	240
	cctccgccct	atactccaaa	acctccaacc	gtgaagccac	caccacctcc	ctacgtgaag	300
	ccaccaccac	ctcccactgt	gaagccacca	ccacctcctt	acgtgaagcc	accaccaccc	360
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	actcctccac	caccacgggt	gaagccacca	ccaccaccgg	tcgttaccct	accaccgcca	480
	acaccaaccc	cagaggcgcc	atgtccgcca	ccaccaccaa	caccatatac	tcctccgcct	540
	aaaccggaaa	cttgtccaat	cgacgcactg	aaactaggcg	catgtgtgga	cgtgctaggg	600
	ggttttgattc	acatcggact	agggaaaagc	tacgctaagg	caaagtgttg	cccacttctt	660
55	gacgacttag	tgggtcttga	cgcggcggtt	tgtctctgca	ccaccattag	agcgaagctt	720
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5	cctccacctc	gtggcttcaa	gtgtcctact	ccgctaaaaa	ggactcctct	cttggggttga	840
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	ttcttattta	tgttttgcca	aacaataatt	aaaagggctc	aaatttagta	attgttctaa	960
	aaatataaag	caaattttat	gtattgtatg	atgattatgt	acgttgaaat	aatgttatct	1020
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10

<210> 158
 <211> 1051
 <212> DNA
 <213> Arabidopsis thaliana

15

	<400> 158		
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	aaagtaaaat	gcaacatata caatggaaaa aactgtttat ctatgataat ttcaagatag 120	
	ggtcggtaat	aatatgatgt tcttctggta gatcataagg caaattgatt ccatggactt 180	
20	tgaggtaact	caggcgaaaag attgaagtgc tctctcgaag ttatcttcag ctgatgctgc 240	
	tcgcttcaca	aggacgtggt ctggatgtga aagtttcagc tggtttaggt agcgagaaga 300	
	tgatttcccg	acgtgaagac tgcatacaac gaggtttgca agagtttctg ggtcttttagc 360	
	atccttggtg	agtgttcaa gtagtagagt ctcagcttct tcaaaattac ccatatgcat 420	
	gcagcaaaact	gctttgcegt tcaagatcaa gcttgtcatt gggacttct cagagaaatc 480	
25	ctggaagatt	agataagctt cctgtatctt ggaaccacct actgccagat tcaaccacgc 540	
	gctcgcgagc	tgagtgaagt tgtggtcttc atcaatctgt tgcatactc tcagttgttt 600	
	ctccgcaaaa	tctgatctgt gcatctttat gaatatctgg acattcaaag catgcagatc 660	
	catggttcct	ccagaatgag tgtgcttcag agcctcatta tagtcttctt catgcatgaa 720	
	tatagtacca	gcaatcaacc tgataatagc attgtttcct acagttggat ctgccaacca 780	
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	gtaacttccg	agagcgatgt aagcgcatg gacgagacag tctcgctcga cgatatcttc 960	
	ctgcgaaaaga	ttagggatct cgctgttggt gatcgagct tgataagcac ccaagtagaa 1020	
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35

<210> 159
 <211> 1051
 <212> DNA
 <213> Arabidopsis thaliana

40

	<400> 159	
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	ttgaggagca	gcataagaaa gccttagagg aggatccttc tgctttttca tatgatgaag 180
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	agccaaggta	tatacagaat ttgatgaaac aggcagaacg tagagagaaa gaacatgaga 300
	tagtttatga	gagaaagctt gcgaaagaga gggagaaaaga cgaacatctt ttttcggata 360
	aagaaaaagt	tgttactggc gcttataaaa ggaaacttga ggaacaaaag aaatggctgg 420
	cagaagaaag	attgctgtaa cttcgtgagg aaagagatga tgttactaag aagaaagatt 480
50	tgagtgattt	ctacttcaac attggaaaaa atgtcgcttt tggagctcga gaagtcgaag 540
	ctaaagaggc	agagaagctc gaggaacaaa gaaaggcaga gaagctcgag gaacaaagaa 600
	aggcagagaa	gctcgaggag ctgagaaaag aagtaacaag ggtagagaag aaacgaaaat 660
	caccggagaa	ggaagtatct cctgactcgg gagaatttgg atcaagtcgt agcaaaagtt 720
	tggagccact	agaagcagag caagcagttt ctgaaaagga gatgggttca gatggcactg 780
55	aagagagaaa	gtcatcaatc aaagaggcag caaaagaagt gccgaaagcc attaacgacc 840
	agaagagaag	agaggatgag atcgctgccg ctaaagagag gttcctggcc cgtaagaagg 900

5 caaaaattga agagtatgtg caacttggct gatttcagtc caatagttaa atcttgggtga 960
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 cttcttataa aaaaaaaaaa aaaaaaaaaa g 1051

<210> 160
 10 <211> 1050
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 15 <221> misc_feature
 <222> (1)...(1050)
 <223> n = A,T,C or G

<400> 160
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 acacaatcgc agaatacaaa gtttaaaaaa tcttcattat cattggattg aatcacagac 180
 ccacaagtgc taacaccgaa gttgtcattg ctgtgatgaa aattctcctc aatatttcgt 240
 ttcttttcat aacgttaata gacgatgagc cgcttgggtga ttgagaagtt ggcaaaccgg 300
 25 ttgtgtcata cttcaaaaaa catttagaaa gatagaactg agcaaaacga gcattgggtac 360
 aacagcctga gagacctttg accacaagtc tcaaacagac gccgcnattt gctggatcaa 420
 gatcaggact aactgaacc accgtgtcta atgtatacga gccctctaatt tcatttacac 480
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 ggataattag ttgctctacc ttattggata acgtttggtg gaaagaacta aaaagagaag 600
 30 taggaaaagt ggcgagagag tatttagcga cgtaaggccc gtctagttct acgagcgtga 660
 agaaggaaac attggagtat cgaaccatac actcctcgta gaattattaga gcagtttttc 720
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 35 gggtttcacg gtttgctttg tatgagctgg tttgtgtgaa gttgtcggat aatctgtcgt 960
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 agaagaagaa gcaaaacaaa ggagcagtga 1050

<210> 161
 40 <211> 1050
 <212> DNA
 <213> Arabidopsis thaliana

<220>
 45 <221> misc_feature
 <222> (1)...(1050)
 <223> n = A,T,C or G

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 aacaccgctg cggatgcgcc ggtgacggat gcggccgttg agaagaagcc tgcagcga 180
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 aagaagagaa ctgtttcatc tcctctact tacgaagaga tgattaagga tgcgcttgtt 300
 55 acgttgaaag agagaactgg atctagccaa tacgcgattc agaagttcat cgaggagaag 360
 cgtaaggagc ttcttccaac attcagaaa gttgtgcttc tcaatctgaa gagacncntt 420

5	gcttctggga	agcnnnnnn	anntcaaagcc	tcgttttaa	tcccatcggc	gtcggcnaaa	480
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	gtggcggtta	ccaaggcgaa	gagaaaggtc	gctgcggctt	ccaaggctaa	gaaaacaatc	600
	gccgttaaac	ctaagactgc	tgctgctaag	aaagtgaccg	cgaaggctaa	ggctaagccc	660
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10	aaggctagac	cagccaaggc	agccaaaacg	gccaaggtta	catctccggc	taagaaagct	780
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	tcatctttat	gcgactttgt	ttgcttttct	tctttcagtg	ttcttggtat	tcacagttcc	1020
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<210> 162

<211> 1050

<212> DNA

20 <213> Arabidopsis thaliana

<400> 162

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25	gttgataaag	attgcggcac	caaacctaaa	tgggaagcatc	aatgaagct	caccgtcgat	180
	gacgcagcgg	cgcgtgacaa	tcgtcttact	cttggttttcg	agatcgtggc	ggatcgtccc	240
	atcgctgggtg	ataaacctgt	cggtgaggtt	agcgttccgg	tgaaggagct	tttggtcag	300
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	aaaggatctc	tcaaattctc	gttcaaattt	ggggaaaagt	atacttatgg	atcttcgagt	420
30	ggtctcacg	cgccggtccc	ttcggtatg	gatcataaga	ctatggatca	gcccgtcacc	480
	gcttaccgcg	ccggacacgg	tgacccgtct	gcataccctg	ctcctcccgc	gggtccttct	540
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	tctgacatcg	ctgatatggg	tgacatgggt	gacatgggtg	gtttcgattt	ctgattgctg	960
	tggtatcaag	ttttaatttc	ttaggataat	tgctctaagt	tttttcgttt	gatgaatcat	1020
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<210> 163

<211> 1049

<212> DNA

45 <213> Arabidopsis thaliana

<400> 163

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	accacatgaa	aatggaatga	attcaaagaa	tgatataaat	ggttaattct	aatgtgggca	240
	aaccgaaaag	gaaagtttta	tggggttttc	aatcttcttc	tttactgag	accgtctcaa	300
	atgtggggct	gtggtatatc	cttcgaagaa	atccaacact	gcggtttcaa	gattttcaac	360
	agagtatttc	aagtagtttt	cgggatgtct	tccgctctct	atatgtcccc	tgaatcttcc	420
55	aagaaaggat	ctataagccg	ggataagatg	ctccgataga	gatatcctga	gttcttctct	480
	aagctgagta	tccggaaccg	accatgtcga	ttgaatcctg	tgaacctctt	caaacattgt	540

5	attgaaagct	ttaaacctct	ctcttaaagc	actcttcgat	acaccggaag	agaagcttcc	600
	gctcacatgt	aatccttcat	ctctcaagct	attcaacacc	ctgacccatg	tagctctctg	660
	atacttggtg	gctgcttgct	taaatatccc	ggtaagcttc	cttaaatact	tgtctcctat	720
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	agagatatcc	atatccggat	cgtttcgatc	attggtacat	ttcaaaccct	gacatggttt	960
	cgatcatgat	agatcaatca	acgtttccct	atagtcagag	atcaagttga	ggtaattcat	1020
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<211> 1045

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 166

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	catccaattt	aagaaaagcc	ttatttatgc	aagaaaacc	caacaaaac	caaaaatgaa	180
	ttagtaaaaa	tataaagaag	atttgaaata	tattgtatca	aatgtaatat	tatatccacg	240
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<211> 1044

45 <212> DNA

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<223> n = A,T,C or G

<400> 167

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	caactttgtc	cacttggttcg	gagatcgaag	atgggatttt	gtagcgaaag	tttcaggttt	180

5	gaaggtggag	ggagaaacat	aagaataggt	ttaaacagaa	caggaaagag	ttgcaggtta	240
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	cgttttagtcc	ttgagcttca	cgccaaatgg	ggaaacaggt	ggtcaaaaat	tgcccggaaa	360
	ttaccgggga	gaacagataa	tgagataaag	aactactgga	ggactcatat	gaggaagaag	420
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 <212> DNA
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 <223> n = A,T,C or G

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	aagaaaagta	gaaagaaaaga aaaaaagaaa ctgataggtc tcacttcaat ttgaggctca 180	
35	agaattaacg	aacaaactag aacaagaaca aagaagaaga agtagaaaaa aggcgggaag 240	
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	aattcaagga	ttaggacgcc aaagctatag acatcagctt tttgggatat tttgcgagca 660	
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	cctttgttcc	cgtgcaatat cgcagacaag cttccttttag acatgtactc aaagacaaga 960	
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   cacctttttc tgatatttac aacttatcaa tacatgatgt ttttcaaatt ttctaattcc      180
   gccgcagagt aaaaataaat atcagcagca acccctctat ttattcagag tagtcctctg      240
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15  acaaaataac tcaaacctac gttgggtcac gatgtcgagt tgcccaactt gagctcaagg      360
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   agcctatcca agaaagtata taaacctcct ccaagtagaa gagcaccact tatgggattg      180
   atccatgcag agacctttcg caacgaaagt aagctctgta aagctccggc aaaagaagca      240
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<210> 171

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10 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

<400> 171

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<210> 172

<211> 1042

40 <212> DNA

<213> Arabidopsis thaliana

<400> 172

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 <212> DNA
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 <212> DNA
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5	ggaggagttc	tcatcatctc	catccttggt	gttcttggtg	ttgttggtgt	cgtcgaaccc	960
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10 <211> 1038

<212> DNA

<213> Arabidopsis thaliana

<400> 175

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	tgatgtctca	ggccattctc	taaattttct	agcccttaca	acatcaagaa	gattatctgg	240
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35 <211> 1038

<212> DNA

<213> Arabidopsis thaliana

<400> 176

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<210> 177

<211> 1038

10 <212> DNA

<213> Arabidopsis thaliana

<400> 177

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	acatacgttc	ttcctcagag	gttgcccaca	cctcgtccca	cataaaggca	cgcaatctat	360
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<211> 1037

35 <212> DNA

<213> Arabidopsis thaliana

<220>

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40 <222> (1)...(1037)

<223> n = A,T,C or G

<400> 178

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50	tgtggctcct	cagatgaaca	aagcatgaat	ccaatgactc	cactcgggta	agttggaaca	420
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<212> DNA
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atatttgatg atgcaaaaga aaagctgtag cttgacgcat caaacctaaa gtgataagtt 180
20 tcacactttg ggtctatgcc atcaagttat attcatctct ttcgattaat acagagtttg 240
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<220>
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<223> n = A,T,C or G

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nnnnnatata tnnnnctatc tggaaatgaa attaagaact tgaaggcttc aggtgttgag 600
55 attacagaca gcataataac tcttgaagtt gcttttacgg gagatacaac gtcggatttt 660
gtagttgatg aaactaatgc tgatgctctc aaggcaaagg ttctcgtcat ggagagcaca 720

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<211> 1035

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15 <213> Arabidopsis thaliana

<400> 183

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<210> 184

<211> 1033

<212> DNA

40 <213> Arabidopsis thaliana

<220>

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<400> 184

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5  ctgttttctt gttctgttct tagctaagtc agcttttgcc gtcaaattca acttcgattc      60
   cttcgatggc agcaacttgt tattccttgg agacgcagag cttgggcctt cctctgatgg      120
   tgtaagccga tccggagcct tatccatgac ccgagacgag aacccattct ctcattggta      180
   aggtctttac atcaatcaaa tcccattcaa accttcaaac acttcttctc ctttttcatt      240
   tgaaacttct ttcactttct ccatcactcc tcgcacccaa cctaactccg gtcaaggctc      300
10  cgccttcac ataaccccg aagctgataa ctccggtgct tcagggtggc gatatctcgg      360
   aatcctcaac aaaaccaac atggaaagcc agagaaccac atcttggcta tcgaattcga      420
   tacttttcag aacaaagagt ttctagacat tagtggtaac catgttggag ttaacatcaa      480
   ctcaatgact tctcttgtcg ctgagaaagc tggttactgg gttcagacaa gagtcggtaa      540
   aaggaaagtt tggctgttta aagatgtgaa tctgagcagt ggagagaggt tcaaggcttg      600
15  ggttgagttc agaaacaaag actctacgat tacggttaca ctgcgcctg aaaacgtaa      660
   gaaacctaag cgnnctttga tcgaagctcc cagagtgtcc aatgaagttc ttcttcaaaa      720
   catgtacgcc ggttttgctg gttccatggg acgtgccgtt gagcgtcacg atatttggag      780
   ctggctgttt gaaaacgccg ccaaaaacaa ctaaacccgt ttggttctgt ttataggcta      840
   agtatcgttt gttttgtttt tactttttta gtaattgtct catactactc agtggttaact      900
20  agagtgaata attatggttt gaataaaaca agccaagtgc gtggtttcat tactccggat      960
   tgccatattt gtattcagtc tgattaattc agatatctca ataaaaagaa ctttgttttc     1020
   atgtaaaaaa aaa                                     1033

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25  <210> 187
     <211> 1033
     <212> DNA
     <213> Arabidopsis thaliana

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30  <220>
     <221> misc_feature
     <222> (1)...(1033)
     <223> n = A,T,C or G

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35  <400> 187
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     cttgtttctg cttcgttcgc gacctcggaa gtgccgttca tgggtggttca caagaaagcc      120
     actctcaaca ggctcaaate tggcgccgaa cgcgtctccg tttcctacga catctataac      180
     caaggatcct cgtcggcgta tgatgtgact ctgacagata atagctggga taaaaagact      240
     tttgaagnnn ntaatggaaa cacttcaaaa tcatgggaaa gacttgatgc aggaggtatt      300
40  ctgtctcatt ctatcgaatt ggaggccaag gttaaaggag tcttctacgg tgctcctgct      360
     gtcgttactt tccgcatccc cactaagcca gctcttcagg aagcatactc aactccacta      420
     ctacctctag atatcctcgc agacaaacct ccaacgaaac ctttggacgt ggccaagagg      480
     ttgctggcga aatatggatc actcgtctcc gtgatctcca tgggtggttg tttcatatac      540
     ttggtggcaa cacctaagtc caacgtatca aaggcaagca gcaagaagaa gcgttaagtt      600
45  agtgaatga aagggtgagaa aggttggtac ggtgctgttt tctgtttaac agttaaacac      660
     agtttcaaaa cttgtaagaa ttagagaaca cactttaatt ttggtgttgc agaggacata      720
     cttcaagttc aaagagttat tttggtttta cttaatctct ttgtgagagc atagtcattg      780
     agttctcttt tatttgggtt atgccttttg cttatggttt tggtagcatt atcttttaca      840
     catgttgata atctttgttg tgtaaacttg tgtttgttct tgtctagtgt cattgcctgt      900
50  tctgtttgct ttgtagtctg ttttaatacca catttttatt tgttggtgtt gtagagtcta      960
     gtctggttat tgggtaagta ttatgatttc gcctagaagt ttttttctgt tttgataatt     1020
     gctatgtttt ctt                                     1033

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55  <210> 188
     <211> 1033
     <212> DNA

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5 <213> Arabidopsis thaliana

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<400> 188
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cgacattagg cagagaccag tatgtgtaca tggcgaagct cgccgagcag gcggaagcgt      120
10 acgaagagat ggttcaattc atggaacagc tcgttacagg cgctactcca gcggaagagc
tcaccgttga agagaggaat ctctctctct ttgcttaca aaacgtgatc ggatctctac
gcgcgcctg gaggatcgtg tcttcgattg agcagaagga agagagtagg aagaacgacg      240
agcacgtgtc gcttgtcaag gattacagat ctaaagttga gtctgagctt tcttctgttt
gctctggaat ccttaagctc cttgactcgc atctgatccc atctgctgga gcgagtgaat      300
15 ctaagggtctt ttacttgaag atgaaagggtg attatcatcg gtacatggct gagtttaagt
ctgggtgatga gaggaaaact gctgctgaag ataccatgct cgcttaca aaacgtgatc
atctgcagc tgccgatatg gcacactact atccgataag gcttgggtct gccctgaatt      420
tctcagtgtt ctactatgag attctcaatt cttcagacaa agcttgtaac atggccaaac
aggcttttga ggaggccata gctgagcttg acactctggg agaggaatcc tacaagaca
20 gcaactctcat aatgcagttg ctgagggaca atttaaccct ttggacctcc gatatgcagg
agcagatgga cgaggcctga ggatctagat gaaggggggg aggggtgtta cgcgatgttt      480
ctgccaccaa atcgatctca aaatcccat aacctttgct caaaaactgt gaaaaaagat
tgaagtgttt atgatgatta tgattgtgca cagcttgatg atttatctac tctactaaac      540
ctctgtgctc ttaatattta ttgtctcgac tctgctcaag ccttaaaaac atctttctcc      600
25 ttaaaaaaaaa aaa                                     1032

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<210> 189

<211> 1032

<212> DNA

30 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1032)

35 <223> n = A,T,C or G

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<400> 189
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ccaacaaacg ttttacaaaa gctgatgcag ataaatttat ctataataga ctgtcagatc      120
40 ttgcaggtag cctcctgaag agattgagcg gcacagaggg tagcttgtgc ctgaaccttg
gatgcctcag cacatagatc ccagcaagaa gtgcaacaac ctgaaacggc gtaacataca
acacgatagc agctatgaga cagaaaagca caaacaatgt ggttgccctc ggggtctctcc      240
agctcagcag cgataaaaaa cgctctccct gtgttgctag atcgctatc acggtctgaa
cccgtcctcc tatgcttctg agccgggtcat atcgcatccg cacaatctca gaggatcggg      300
45 aagtcgggaa agtatcaaac tcttcatcaa gctcgtcggg gtgaacagcg tctgcatggg
acaaccgtgt gtccatgtgt ggcgggtgcc ttgggtctcca cgggaaattc cagatcccaa
tcaagaaaag gtacaagaaa accgttggga ggattaattc cgggtaaaga actaagataa      360
tgaaaagaac atgaatgaga attgtgggta ttgggtttct ccagttgcag atctgatcaa
accattttcc aacagcaatg agaccactca gaacattcat gattctgaag aagttagctt      420
50 tactcctcct catgctccac atatgggagt caacatcgag catgtactcc acaatctctt
tgcaagaggc cggctctgcg cgggttcagcc ttgccgagac aatgttcatc gcctgggtgtc
tcaggctgtc cagctggaga accgataacg gatnnatgtn ntgcattntg ggtagtaatg      480
gctgagaata catatgaagc atgttgatga gagataggca agtgaaccgc acagctaact
gtatttcacc tgtcttcttg atcccagaag gatgaaagac gagtagcgga tatgaatgag      540
55 tgtagatacg gt                                     1032

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5 <210> 190
 <211> 1032
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 190
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 attcctacgc aaatccctta tcgttttcat gtttgcctg gtttaaactc tcaatctcct 120
 acccggtcctt ttcacccctcc gatggcattc cttgttcgtt cgcgggagat acccaccgtc 180
 tcggcgagaa tcttctccga tgcgaattcg agtggtatta gtcattgtgt tatgaggagg 240
 15 aaggctacgg ttctcgcgat tgacgccaga gatttgcctg gtgttaagaa tccgaaatcg 300
 agattgtact ggcaattctc agctccggtg aaagaagact acaagattag cagagaggag 360
 gaagaagaag aagaagaaga taagcagagt tactacgtga atatgggtca cgcggttcgt 420
 agtatcagag aagagtttcc tttgttgttc taaaagagc ttaattttga catttacagg 480
 gatgatattg ttttcaaaga ccctatgaac actttcatgg gaattgataa ctacaaatcc 540
 20 atatttgagg ccttacgttt ccatggaagg atcttcttca gagcactatg tgtggacatt 600
 gttagtgttt ggcaaccac agagaacact ctgatgatac gatggactgt tcatggaatt 660
 cctcgtggtc cgtgggagac tcgtggtcga ttcgatggta cttctgagta taaattcgat 720
 aagaatggca agatttatga gcataaagtc gataacatag ccattaattc gcctccaaag 780
 tttcaaagtc tcaactgttc agagcttgtt gaagccatta gctgcccttc gactcccaag 840
 25 ccgacctact ttgagttcgg agattgattc atcatcatcg tctgaaacat catgctggtg 900
 ttatgtatac tagtagtctt ttgtgtggtt ataaatagag tggtagtgta atatagatga 960
 agaaggaacg atttaaaata aaccaatag catgaatata ttacacgctt tttttgcgta 1020
 taataatcaa ta 1032

30 <210> 191
 <211> 1031
 <212> DNA
 <213> Arabidopsis thaliana

35 <220>
 <221> misc_feature
 <222> (1)...(1031)
 <223> n = A,T,C or G

40 <400> 191
 agagagagag agaaggaggg agagaaggag cttagtggtc tcattaccat taccagctcc 60
 atacgaaccg aaacgacgcc gttcgctcaa cccttttctc tgcaatctct cttcctccca 120
 cgagtttctc agcttttctc ggatcatcta attaagagag gagatcttgt ctcacggtgg 180
 45 gattgatttt tctcttcacg aagatcgtgt tccaggcaat taactgcaga aaatggtgat 240
 gtgggtcttt ggctatggct ctcttgtgtg gaaccanna tttcactacg atgagaaagt 300
 gttaggtttc atcaagggat ataaacgtgt ctttgatctt gcttgcatg atcatagagg 360
 tacaccagaa caccctgcaa gaacttgac cctcgagaaa gctgaagaag ccatatgctg 420
 gggtagtgca ttctgtgtcc gtggaggacc agaaaaagaa cgtctggcta tggagtactt 480
 ggaacgtaga gagtgtgaat atgatctcaa gacaagtga gacttttaca aggaagatga 540
 50 tcctctaaag ccagctgtaa ctggagtgat agtattcact tctactctg acaaggctctc 600
 caacaagtat tatctcggac ctgcgccatt agaagacatg gcaagacaaa tcgcgacagc 660
 caatggacca tgtggttaaca acagagatta tctcttctct ctcgagaagg caatgcacga 720
 cattgggcat gaggaggact atgttataga gctggcaaac gaggtgagga aggttctggc 780
 cgagtcctcg actaagaagg tgacaccggt gaaggaatca agagcaagcc gtgtagctaa 840
 55 caagtcgaag aacaatgtcc ccacggctca tcagatacta cctcatcatc cagaagctgt 900
 tgccactaca atataactct ttagtgtttc ttcttaattg gcttagaga tgagtgaat 960

5 cagggtctttt ttttaataat aataacaaag taagtttggt ttctgagtaa aaaaaaaaaa 1020
 aaaaaaaaaa g 1031

<210> 192
 <211> 1030

10 <212> DNA
 <213> Arabidopsis thaliana

<400> 192

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	tgacggagggt	tccggttga	ggatcggcg	aaaaacacta	caagagctgg	aagagcgaga	120
	accatgtctt	cgctgacgcc	attggccacc	acatccaaaa	tgtcgttggt	cacgaaggcg	180
	aacatgactc	tcacgggtct	atcaggaggt	gggactacac	atatggtata	catttagtca	240
	tttacttata	ctttctctct	atatatttat	cactttttacg	gcctatgtgc	gtccgaaact	300
	atggttttgg	tgggtctactg	ccaaatatga	aatactacat	atgatcatta	attaaggaat	360
20	ttgtttctata	agacccaaaa	catatataat	aatcatattt	tgcatttatg	tttacatatg	420
	aaaacgaaag	tcatatgttt	aaaagtaaaa	agtattttca	tatttgagaa	taattttgaa	480
	aaatataaac	ggaaaaacat	gatagtcaga	tattaatcct	tatggtataa	ctagctagt	540
	ggatgttgg	aattgttaact	aataaacaca	tgtgtgtaag	atggaaagaa	ggagatgttc	600
	aaagagaaga	gagagataga	tgatgagaat	aaaacattga	cgaaaagagg	actggatgg	660
25	cacgtgatgg	agcatctcaa	agtatttgat	atcatctacg	aattttattcc	caaatctgag	720
	gatagctg	tctgcaaaat	cactatgata	tgggagaagc	gcaacgatga	ctttcccgaa	780
	ccaagcggt	acatgaaatt	cgtcaagcaa	atggttggtg	acattgaagg	ccacgtcaac	840
	aaagcttaac	cacaaccatc	accgtcatca	ctatctcgat	cgatattgta	ttattatgg	900
	gtcttttcga	taatcaatat	aataaagggg	gtcttggtga	gtttctattc	tctgtaactg	960
30	tttggttttg	gaatatgctg	tgatatgttg	ttatgctcat	catatatcgg	tttcgatata	1020
	atgagtatta						1030

<210> 193
 <211> 1029

35 <212> DNA
 <213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(1029)

<223> n = A,T,C or G

<400> 193

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	cgaaacccaaa	accctaacaa	aaccaggtaa	taataataga	agacattttt	taacactgag	120
	gaagatcatg	aggaggagga	agcagagttt	gtgaaggaag	aggtccatct	ttnnngataa	180
	accccatgtc	taaacccac	gaagtannnn	nnctagatg	acagtgaata	aaccaaactc	240
	ctggattatc	cgcattttatc	ctaattcgccg	cccatcctcc	cgtcggcact	gcaaanntat	300
	tcctctccgg	cggatccacc	aagttgtacc	ttttcggatc	cttctccggg	tcanaattcc	360
50	caaatcctct	tcccactacg	aagaaattgt	gtccgtgtac	atgtaaagga	tgattctcga	420
	tgtttaagaa	actcgttccc	tgaaacacga	tctctaattct	cgatccgaat	tcgacttcga	480
	aaagcttcgt	accgaattct	gtgttcattgt	tttccgatan	nnntctact	cccgtaaagt	540
	cgaatctgtt	cgggtggtttc	tctgggaaat	cgagtgaaga	aactcctttg	ctctgtttct	600
	tatagtagct	ttcgaggatc	gatatcggag	gtctgacaaa	tgagatgttg	ttcattgatg	660
55	cgaagaatct	cttccctg	taaccgtcgc	aggtctgatt	taacggacaa	tcctggagat	720
	tgagacttat	cgtggtgatc	actcgcttgt	ctatcttcgt	cgggacttta	catggatact	780

5 tcgctgatcc cagacttttg atgctatcgg agaatttcgt cgcgaatttc gtatccagca 840
tattcgggag agctacgact gtcgacattg ccgttaatcg ccgtctccgc cgtgtgttta 900
cggaattttc cggtttggtt ttaccggtgt aacggatgaa tcctacggtg gttgagttgt 960
tgaaaggaaa gacggaagtg acgtaaggag ttgcggcgat gagaaattca ccgccggaga 1020
gttggtcgg 1029

10 <210> 194
<211> 1028
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(1028)
<223> n = A,T,C or G

20 <400> 194
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gcactacaga agtaactttg taagataaat aattgtttaca tgagtttgag tatgaggttt 120
ctggtttcat gttcctgtct tacaattata caaggctaag taagcttaca ttctttgatc 180
25 acagaccgga ccgtgattca tctgagccca ccacagcttc tgattagatc aatcatcctg 240
tcagctcctc catttggtccc cgagcaatgt atggttccgc atcagtagct ttgaggaaat 300
gcatagaatg acgggcaaaa tttgttggtt tgtcactcag caggtatcct tcatcaatat 360
catccaaaat tctgacctg atataaggat cttnnnggagg gaccatatcg acattcaact 420
cgattcctac ttttcccatg tatgatttta gagcaaccga atggtttttg aagtattcct 480
30 tctctagtgt agtgagcttc tcttggtttt cagaggggaag gtcgagaagt tcaagcccta 540
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gattctggtc acactcctcg attgtttcat caaagagttt gctgttgaaa gggttgagct 780
35 gacctttctc tccggtggca aaatccttga taagctgata cccttttctc ccgtacatgt 840
cgaatcggcg ggtctcctcg cttcactttg acatctattc gggttggtga tgaagcaaat 900
cgttgctgat gtcgccgaat taacggatga taacaaaacc gtagatctaa acaaacgta 960
ccatactgtt gcggagattt atatgcaatc aaaacaatgt caattctcgc ggccggcgaag 1020
gatttcca 1028

40 <210> 195
<211> 1028
<212> DNA
<213> Arabidopsis thaliana

45 <400> 195
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tgacaaggac tacaaagagc caccacctgc gccgttggtc gagcccggcg agctagcttc 120
atggtccttc tggagagctg ggattgctga gtttatagct acgtttttgt tcctgtacat 180
50 cactgttttg actgttatgg gtgtgaagag gtcaccgaac atgtgtgctt ccgtcggaat 240
ccaaggatc gcttggtgct tccgtggtat gatcttcgct ctcgtctact gcaccgctgg 300
tatctccggt ggacacatca acccagcggg tacgttcggt ttgttcttag ctaggaagct 360
ttcgctcaca cgagctgtgt actacatagt gatgcagtgc ttaggagcta tctgtggagc 420
tggtgtggtc aaggggttcc agccaaagca ataccaggct ttgggaggtg gagccaacac 480
55 catagctcat ggctacacca aaggaagtgg tcttgagct gagattattg gaacctttgt 540
ccttggtttac accgtcttct ctgccactga tgccaagaga aacgctcgtg actctcatgt 600

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5  tcctattcta gcaccgctcc ctatcggatt cgctgtgttc ttggttcact tagcaaccat 660
   cccattact ggaactggaa tcaaccacgc aagaagtctt ggagctgcaa tcatcttcaa 720
   caaggacaac gcttgggatg accactgggt cttttgggtt ggaccattca ttggtgctgc 780
   acttgctgct ctctaccacg ttatagtcac cagagccatc ccattcaagt ccagaagcta 840
   aagctgattg agttctatct aaaatctggc ttttgttctt agtttgcctt cttttgtgaa 900
10 tctactacct gtgtgtaacg tgtgtatctg ttgtcctctt ctttgcctaa tggagactta 960
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   atttctat 1028

<210> 196
15 <211> 1028
   <212> DNA
   <213> Arabidopsis thaliana

<220>
20 <221> misc_feature
   <222> (1)...(1028)
   <223> n = A,T,C or G

<400> 196
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   catctacaag atcgggatca aagcactttg gttggccgcc cgctacataa agagggtccc 180
   ctaccaaggg atgtcccatg tatgcaagat gaatccggat ttgatgtggt cttccagatt 240
   gtatctctac cttacaacgc gagcaatttt tttccctgtc cctctccaga acaaatactt 300
30 tactgaaagc aggtttccct tccggagaag caacatataa tccttgtgcg accccaggat 360
   atcgaaccac tcctataggc tgtttgatta ctacctgctc ttcttcaact ataccatctg 420
   ctagtgtctg atatatcttt gatagttttc ttctgttcc acactcttga tccaggttgc 480
   cggagccgac aagagatggt nnctcagcaa aatacgctgc aagtttcggt tttgccagct 540
   tgggtctttgc acagagaagt atacctgaag ttctctacc cagtcgatgt acagggacag 600
35 gatgtggtga ttcacgcgat ccgatgtaag agtcattttt accaaaacac cactgcagct 660
   gcgtaaacac agtccgttgc tggaaaagtc ctccgggcaa tacttgaagt ccagaaggct 720
   tgtttaaagc gatcaaatca tcatcttcat acaaaaacttc aagcgagtat ggcgtgtcag 780
   gttccttcca aggaagccta ctgtaaaacta atttcgaacc actcctaaga agtgtgttgg 840
   gatcttttac aacttcaccg tcaatttgta tctgtccggt ttggattcgt tgaatccacc 900
40 ctagcaatgg agctgaactc ttgtatttgg tgaagtagaa ttctgacacc gtcgttaact 960
   ctgattcaga agaagagatg gcacacctgt atgccaaacc atcgtaagc tcaggccatg 1020
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<210> 197
45 <211> 1027
   <212> DNA
   <213> Arabidopsis thaliana

<220>
50 <221> misc_feature
   <222> (1)...(1027)
   <223> n = A,T,C or G

<400> 197
55 tacgattcag gagctatgga ccggtccgat gttcgtccaa agatcgtggc taactgtttg 60
   cagagatccg tatctctggt ctatcttcga tctggagcca tggttcgatt cctatcccga 120

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5	gtcgcactcac	ttgtgggtccc	ctgagttcga	gcagaaggta	gactcaatgc	tacgatcagt	180
	cgttgattgg	agcgaagggtg	gtctcactga	gatccgcgtc	cgccattgca	gcgaccacgc	240
	tctctcttac	gcagccgata	gatgcccga	tctacagggtt	cttgccatta	gaagcagtcc	300
	taacgtgaca	gacgcacga	tgacgaagat	agcgtttcgg	tgaggaggtt	taaaggaact	360
	tgatatcagt	tactgtcacg	agatatctca	cgacactctt	gtgatgattg	gtagaaactg	420
10	tcctaactctg	aggatcttga	aacgtaactct	tatggattgg	tcttctcggc	acattggctc	480
	tggttcctaca	gaatacttag	acgcttggtcc	tcaagacgga	gacacagaag	ctgacgcgat	540
	tgggaaacat	atgatcaatc	tagagcattt	ggagattcag	ttctctagat	tatctgtcaa	600
	gggtcttgct	tcgatatgtg	agggttggtcc	caagctagag	tacttggact	tggttggttg	660
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15	ggtaaagaag	nnagatgtgt	atgtgccaag	gtcaggggat	gtggcgcaga	cggagaggta	780
	tggacattgg	agactctatg	acgagagatt	tgacatacaa	gccatgagaa	tctgatttct	840
	acacacacac	tgccatgttt	tataataaag	ctgcccatag	ttctgacttg	ggtcggttgt	900
	ttgttatatg	tagtggttgt	aaaatggacc	ttaggcccac	gggtctaaac	gggtattttg	960
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<211> 1026

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1026)

30 <223> n = A,T,C or G

<400> 198

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35	atttctttgt	ttttcccctt	ttttgttgtc	tagggttttg	tttgatttcc	caggaatcga	180
	ttattctaag	gttttggttg	attgcctaga	tatcaatgtt	tctgattagc	cgcggattga	240
	ttccgatgcg	attcttcgtt	gattgaattc	tgggatttga	aaacttctctg	ctcgcgaatt	300
	tgtcatagaa	acacgcttta	atggcgtgat	gcgaaacaga	ttgtttatga	ttaggctgaa	360
	aaattgtatc	atgaaattag	aaatgcatat	tttgatgttt	ccttgtttca	tggaaatttt	420
40	ccatgttcgt	gttttgatag	ttttggttga	tcagtgaag	gctccatgtt	catgctatga	480
	tcagcnngtt	ttgatgtatc	tcnngaaact	aaatgggcta	taagatgatt	tatgagtgtt	540
	tgattggtaa	tatttcaaaa	cttgctgaag	atttctttga	tatcatcaac	aacagtgact	600
	agaagcttcc	actcgactgg	agttaagaag	atgagcggag	gaggacatgg	tggttacgat	660
	gaatactacc	tccacgcaaa	acacatgtac	aatttggacc	gcatgaagta	ccaagctctc	720
45	aagatgtctc	tcgggtgtatt	caccgctttc	agcatcggtg	ttggggttcc	tatcttcgca	780
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	agcttgaata	atttgtatga	attctcaaac	tctgcttttg	caagagagtt	tttctttctc	900
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<211> 1025

<212> DNA

55 <213> Arabidopsis thaliana

5 <220>
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 gtggcgctcc nncgcgattc tcttaccac acggcggcga tgcgctccgc ctagagctag 180
 ttctcgcgcc gacgattctc cacccttcga tatgtctgtg gagacggcgc ttaagggtct 240
 15 cggagtctcc gaaggagctt ccttcgacga aattcttcgt gccagaat cgatcctggc 300
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 gatgcagagc ctaaaccaac gccgagcagg aaaagttgta agcaacaaca ttcgctacgc 420
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 acctgtctct gttgatatgc cttccacgag cgatctcggg atacaagctg gagtctatgg 540
 20 agccatgatg gttttgactt atgtgaatgg gagttncttt gaatcttctg ggatgcctta 600
 tgctggtgct gatgtgccg gacttatatt ggctagcagc tttggggctt ccctatactt 660
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 ggcaggtgca gtgggtggat cagccattga gacctggctg cacgttgatg tggttccggt 780
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 25 ggtgtctcta tgcttaaggt agaactttgt acattggctt atgcaaat tggctcaacct 900
 gtcacgctgg tatatgtact tcgtttatat gcattttgta cagaacactc aaaagtaaac 960
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 taaaa 1025

30 <210> 200
 <211> 1025
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 200
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 tgatttcatt catagtttga gtacttcact aagtaaggat ctaaatttat attataaaag 180
 ccttaaataa agatttggtc ttttcaagac gattccaaaa taagatcagc aacggcggct 240
 40 ccggcgagat cagcggcgga gagagaatga ttatgatctc cttcataagt aacaatcaac 300
 atggacgaat catcagctgc tctctcaaca tgtttacgtg ctggacaacc tcttacgcta 360
 ctacacttat aatatcctct tggatgtgga gatcctttaa ttgggttttg tccgtatttc 420
 ctccatgaat aatcgtcggg tggatcatcg gacatttttg cacttatcgc cggaaacctc 480
 attattctcc tctgttttat ctttcttttc ttcgagcaat gacaacgacc ggaggaagaa 540
 45 gcggaagcgc attttccagt gagaagattc tcagagttac attttctctt tgttgatttt 600
 gagaaagacg agaccgtcgt ggagaggctt tgagtttgag acgcaaacgg cgcggtttca 660
 gagggacgtt gatgatgatg aatcttcttc tggttgtctg attccgttgt tacagaggag 720
 agagatgaga aatcaatcgt tttcatcgat gaagaaaacg aaccttttcg gatcatttgc 780
 ggcggaggag gaagaggaga ctgaaacggc gtcgtttttg gttcttcttg taaaagaacc 840
 50 ggagaaataa catgaaccgg agcacgtcta aaccgggcgt gtccggttcg agttcgatct 900
 aagagagata tgactctttt aaactttgaa acagccgcgt ccgcggttgt gttacgagct 960
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 gaaga 1025

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5 <212> DNA
<213> Arabidopsis thaliana

<400> 201

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	cacgccaccg	tcttcgtcgc	taaattcttt	ggtcgtgctg	gtctcatgtc	tttcatctcc	240
	tccgtacctg	aactccaacg	tcttgctttg	tttcagtcgt	tggtggttga	agcgtgtggg	300
	agaacggtga	atccggttaa	cggagcgggt	ggtagttgt	ggaccaggaa	ctggcacgta	360
15	tgccaagcgg	cggttgagac	tggtcttcgc	ggcggaactt	tacgaccgat	atcagatctt	420
	cttgaatctc	cgtcgttgat	gatctctgt	gatgagtctt	cagagatttg	gcatcaagac	480
	gtttcaagaa	accaaacc	ccattgtcgc	ttctccacct	ccagatccac	gacggagatg	540
	aaagactctc	tggttaaccg	aaaacgattg	aagtcggatt	cggatcttga	tctccaagtg	600
	aaccacggtt	taaccctaac	cgtccgggt	gtaccgggtt	cttttcttcc	tccgtcgtcg	660
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	tcgtgttggg	aaaatgggat	gagaggagat	aataaaca	aaagaaaca	aggagagaaa	780
	aagttattga	acctttt	gtttaaaccga	cgacgcaaaa	cactcaaaga	ttttgaggct	840
	ctctttttta	gggttttgag	tggaatgga	tatttagtta	atgatttttc	tctatcgaga	900
	aatatgataa	aattttggg	atatataatt	tgccgatgag	aataaataat	ctgttgagaa	960
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	ttata						1025

<210> 202

<211> 1024

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(1024)

<223> n = A,T,C or G

<400> 202

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	ttcaatggcg	gcataacat	tctgtgtcat	ggagcgctca	gatggcaagt	tagtggtgtc	180
	tttcttggtt	ccttcgactt	tccaaagatc	ccagactttg	gttttaggag	gaggagtacc	240
	atctccaatt	ggagcgatta	gtcccggttt	ccatcatcgc	attacagcgt	cgatcaaacc	300
	atattctttc	gcctcccatg	gattcaagaa	gttatcacgg	tctgtgtcac	tttcgatctc	360
45	tgattcaggc	ttcccagtga	ttctagagaa	gattttgtta	agtttaatct	tgtggtacat	420
	catttctctt	atacgtatgc	tcatttccgt	tgctttgcct	ccagcagtac	caagtggctg	480
	atggatcata	acttttagagt	taggcataca	ataccgtttc	ccttttgaac	cagaagcaag	540
	aagaaacgca	cccatagatg	cagctaacc	taagcaaaca	gtagatacat	ccgccttaca	600
	ttgtttcatt	gcatcatata	ttcccatccc	agcagtaata	gatccaccgg	gtgaattgat	660
50	aaaaagcgta	atgtctcttn	nngagtcctc	agcatctagt	aacaatan	nnngactataac	720
	caaataccgcc	gtcatatcat	caacctgaga	acccaaaaag	acgattcttt	gacggagcaa	780
	catgttgggtg	gtatcgagtt	cttcgaaact	tggtgagctt	gaaggagatt	gagcaacgga	840
	atcaatggag	aagctagata	catcccagtt	actagataag	gtttgtctgg	gtggtttaga	900
	caagctcatt	gaagacctaa	cgcaaaagg	ttnnnaagtt	ttagggatnn	nntggtttcg	960
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 <211> 1024
 <212> DNA
 <213> Arabidopsis thaliana

10
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 ccagacgcca actgctttct tttcttttct ttccataaaa aaacgctcac taatttcaaaa 180
 15 aagcacacct atttccaatc tttttgatat attattaatc gtattcgtat attatatggg 240
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 20 tgcttatgta cctcagcttc ccgtacaacc cgccggaaaa tagaaatcgg ccgcagggtg 540
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 tgacgtttac cggaattgcg tcgtagatcg ctgtagagc tgagatacct ggggaagttct 660
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30
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 <213> Arabidopsis thaliana

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 ttgtacttac aacttaatcc ctacttcctc ccagattcat atgtctgaga tgagacttta 180
 40 tttaaaagct tctgaggcca aaagataccc acttcccggc taagtataat gtgaacataa 240
 agaaaacaca gaagatgcac caatggagaa atggttccac tgaaacgctg accttacaac 300
 cgtgagctgg cttgtttcac gggagcgctc aaaagaactc ctttagatcc cctctcagcc 360
 aaaaaagcac aaggcttgaa gaattcacca taagccttcg accactcatc cagcctcgag 420
 taaatgtatt tcgatccgat ggaatcagcc cagaacatga ttctcctct gtaagggtgga 480
 45 aaaccatttc ccattatgcc agcaatgtca aggtctgctg ctttgacagc gataccttca 540
 gcaaaaaccc tacacgcctc gtttactact gggaagaatg tcatttcaat aatgtccttc 600
 tccgacaaat tcgccaaact agggcgaagc ttactccag atatgcttct tgccttttcg 660
 atatatctct ttatgctcagg atcagggttc gccttgcgct tatcatcata caaatagaaa 720
 cctttgcgag tggcttcacc agctctcttg tcctcttgca taagtggaaat aatcattgat 780
 50 ttgtaagtcc gttctgagaa gttctcgata aactgcgttg cggttgcaat cgccacacca 840
 aatccaacca ggctcacacag tctgaaggga cccattggca ttccaaactt gctgattgcc 900
 ctgtcgatta gatatggatc tgctccacac tcaacaagga acatagctgc ctgtgtgtaa 960
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 tta 1023

55
 <210> 205

5 <211> 1023
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 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 actgaacatt ggccacatca tacatataac gcagatgatg aattgttggg atttggggga 180
 aagaaaacca tcatatatag aagaagacat tttacattct gaggaatgct ttctcgaatt 240
 gtgtccactt ctgtctcaat gtaccacacat accccaccga cattcgtaca agaccaggag 300
 20 agatgcctgc agcttccttc tgtgaggggt caagctcgct gctagtgtctg ctcccgagagc 360
 aagacatgag tgtctcgtag taacccaaac tgacggccat gaagccaaac tgagtggcgt 420
 tctggagata tgccatgagc ttgttggtct tctcctctgt ctccatgtct atcgacagca 480
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 25 gggctctgtg gctgtgctct ctcatgcgta ggcccaagtg agggattcgc tcggagagct 660
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 ccatcatctc tttcaccaaa ttctcactcc cacacacggc ccctgcgatg atgtcagccc 780
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 30 tacggctcag ctcaggatg tcagccacag tcagcgtcgg gtttgccacc gactcaaagt 960
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 35 <211> 1022
 <212> DNA
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<220>
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 <223> n = A,T,C or G

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 ttcttcttgt ttttgccttt attttcttag caaatttccc agctttatct cttttctcca 180
 aagctcgaat ctgggtttgga gatacataga atgggttctc gtaaagcgtt gtacctccaa 240
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 50 tcattttatc cagatcgct cgtgcaatct tgtctgactc gttatgaggt accgatattct 360
 ggtaattacg gaaccatata tggatcatca caatggagaa aacaaacaca tggatcatggt 420
 aagggtttaga ctctctatgt cctcgggaa ttccaaaaat ctgagttaac atctctttca 480
 gaagtttcca gtgtgcatcg ttttcaaaat tggatgagaa tgtcaaaagt gggcgtgnnn 540
 nnntcagatg atttccagtg agtttcagct cctccattgt gtgaacagca ttaaccaaga 600
 55 acttaacgga aggtccacca ggggacttca ccatccacat gtaaagatct ttgtgcttcc 660
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5 cacctctact gctcttagct tctaccttac tatecttctt acagtgaggt aaaagtgaca 780
 ccatgttcaa catcaaagt cgatacctga aattgatccg acgggaacaa gtaacgagaa 840
 ccttctcttt attcctgaat acagacgcat acgcagggtt agagttctca gcatcttcct 900
 tcttatcttt ccaacccaaa agagtccttt gaggtctctc cggagcagaa tccttcaccg 960
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 10 ga 1022

<210> 207
 <211> 1022
 <212> DNA

15 <213> Arabidopsis thaliana

<400> 207
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 20 atagttctca aaagctcagt ttcatcttcc attttttaca agagacaaat gaagaaagca 180
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 25 gatgatgact ccagaatggt tgctgttgcc actgcattgt tgtcaaagcc tccctcagag 480
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 ttgcttggtt tccattttgc tggaaacctgc actttgaacc catctccatt gtatggcaag 720
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 35 tc 1022

<210> 208
 <211> 1022
 <212> DNA

40 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(1022)

45 <223> n = A,T,C or G

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 tgagaaaagg aatgataaaa tatccaaagg ggacatcgcg gagatgggaa gttatttcag 300
 agtacattgg tacaggaaga tctgtagagg aaattctgaa agcaactaaa acagttctcc 360
 tgcaaaaacc agattcagct aaagcattcg attctttcct cgagaagagg aaaccctctg 420
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5 aaagctcaga caacaatggn naagtaggtg gaagttcaga cgcagatagt tggctcgactg 600
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ag 1022

15 <210> 209
<211> 1022
<212> DNA
<213> Arabidopsis thaliana

20 <220>
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<222> (1)...(1022)
<223> n = A,T,C or G

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tacacaaacc tttattatac aaatggaaaa acaaaagaaa attcccaact tcacaattct 180
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20 <212> DNA

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<400> 211

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<211> 1019

45 <212> DNA

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5  ctatttcagtt tgttgactgg tgtcctactg gattcaagtg tggatatcaac taccagccac 540
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   actcaaccag tgttgctgag gtgttctccc gtattgatca caagtttgat cttatgtacg 660
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   catttttagag gttaagctt tcctactata tcatcggttg gttcaaacgc tgctgttatt 180
   cattattcac cagagccaga agcttggtgc gagatggacc ccgacaaaat ttacttatgt 240
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   ggaaatgctc gggtttccaaa gggaacaaac ggctatacac ttgatattct tgctcgagct 420

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	gctccttcac	ttctctcact	agtaaaccaa	aaacattcaa	gtcatacaca	gattattttc	960
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<212> DNA

<213> Arabidopsis thaliana

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	ttacaagaag	tctagcttca	gaatcctcca	atcattagaa	ctgttttagaa	atctataatc	180
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	caccagagag	aatcccgggg	acgacaagag	aagtccatcc	ttttgcgggt	gccatggcac	300
	acgcagtggg	tgggcctccg	atgttagcat	ttgatgcaag	aagtaatagc	ttcatgtcga	360
	tacagaatag	ttttcctaga	accaaagtca	ctgctagatg	aaccattact	tgaatagcag	420
	caaataagaa	gatacttggg	gcagtgttga	ttacattcca	tacactccct	gtggctccta	480
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	caccaatgta	actccccata	agagcagctg	ctattttcca	gttatccgga	ccaagcgatc	960
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<212> DNA

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	cagggaaaaag	aagcgagaga	gaagaagaca	cagatccaca	aggctcaaga	ggaatcagtg	420
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<212> DNA

15 <213> Arabidopsis thaliana

<400> 217

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	cggcctaaaac accgtgaaga ctcaacttct gcatagctcc ggcaaagtcg ttaaagaacc	300
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<223> n = A,T,C or G

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<210> 219

<211> 1013

15 <212> DNA

<213> Arabidopsis thaliana

<400> 219

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<211> 1012

<212> DNA

40 <213> Arabidopsis thaliana

<400> 220

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5 cagtcaacat tgggtctccc agtcacacca gcggaattga aaacatgggt tggcttaaca 900
ctctgaatat cctgcagaag agaagatcga tcctccaacc gacctttccc atactcgtaa 960
gcaattcctt gcttatcaca tatctttcca agcagaccac cgatccatcc gg 1012

<210> 221
10 <211> 1011
<212> DNA
<213> Arabidopsis thaliana

<220>
15 <221> misc_feature
<222> (1)...(1011)
<223> n = A,T,C or G

<400> 221
20 tttttttttt aaaaaataga caagacttgt ttcattcatca tcagttacaa gaaagaaaga 60
aatacacatt tgtgttaaatt cacataatca gaccactcgg ttaaatacga tgtctgggtcc 120
atagtcagac aaggaatctt atcatgtttt ctccgattct ctttcccacc aatcaacctc 180
gccggatttc caaccgccgt cgtacgcgcc ggcacatcct taaccaccac cgaccctgat 240
ccaatcttag ctccctcacc gattgntata ttcccccaata tacaactccc agctccaatc 300
25 aacacaccat caccaatctt cggatgccga tcaccactct gtttccctgt tcctcccaag 360
gtcactccgt gtagaatcga aacattgtct ccaaccaccg ccgtctctcc gatcaccacg 420
cccgtcgcatt ggtctaaaag aatccctttt ccgatcttcg ctccgggatg aatatcgacg 480
gcgaaagatt ctgatactct gttttggatc aataaagcta cgatttttct gttctgtttc 540
cagaggggat gagctattcg atgagcttga caagcgagga agcctttgaa gcccaagaag 600
30 caatgaacgt agcttataca agctgggtct ctttctttga ctgctataag atcttgcttc 660
gtggattcga tgatctcagg gctttcttct aaaacgctta tgaacagttc gaagagtgtg 720
ttgcttggtg ggttttaaatt gctgagcttt acggagagga tgtgagctaa agcagactct 780
aaagatcgat gagatgtgat cgaagcgtag tagtagtttg ataaaatggg ttcttgttta 840
acatcggatt tggcttcttc aagcatcttg atccagacat catcgatcatc ttcgatttgg 900
35 gtgtggtgaa tcttccggtt tacagagaaa ccgggtcgaa agaaattctt gatgcaacag 960
aaccgggaat catcgctctg ggtattaccg gttcggcatg tgtctatgca t 1011

<210> 222
<211> 1011
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(1011)
<223> n = A,T,C or G

<400> 222
ccacgcgtcc gggacgaacc ggtgtaccac gatttggttc gtcactgtct ggcctaccca 60
50 aaagcggatg gaatcttggg gaatacatgg gaagagatgg agcccaaattc attaaagtcc 120
cttcaagacc cgaaaactttt gggccgggtc gctcgtgtac cgggtttatcc ggttgggtccg 180
ttatgcagac cgatacaatc atccacgacc gatcaccggt tttttgattg gttaaactaaa 240
caaccaaacy agtcggttct ctacatttcc ttccggagtg gtggttctct aacgggtcaa 300
cagttaaccg aattggcgtg ggggctcgag gagagccagc aacgggttat atgggtgggt 360
55 cgaccgcccg ttgacggctc gtcttgcagt gattatttct cggctaaagg cgggtgaacc 420
aaagacaaca cgccagagta tctaccnnnn nggttcgtga ctcgtacttg cgatagaggt 480

5 ttcgatgatcc catcatgggc accgcnnngct gaaatcctag ccannnnnnn ngttgggtggg 540
 tttttaaacac attgtggttg gagctcgacg ttggaaagcg tcctttgcgg cgttccaatg 600
 atagcgtggc cgcttttcgc cgagcagaat atgaacgcgg cgttgcttag cgatgaactg 660
 ggaatctctg ttagagtggg tgatccaaag gaggcgattt ctaggtcgaa gattgaggcg 720
 atggtgagga aggttatggc tgaggacgaa ggtgaagaga tgagaaggaa agtgaagaag 780
 10 ttgagagaca cggcgggagat gtcacttagt attcacggtg gtggttcggc gcatgagtcg 840
 ctttgccagag tcacgaagga gtgtcaacgg tttttggaat gtgtcgggga cttgggacgt 900
 ggtgcttagt aatggttact gttttctagc tcttttagtg ttgaatttac ttgtcgtttc 960
 ttaatgtgta tttttcattg taatagaata atcgatgttt tgtaataaaa a 1011

15 <210> 223
 <211> 1009
 <212> DNA
 <213> Arabidopsis thaliana

20 <400> 223
 tccgcgattc tcaaagtcaa gcaaaaaaaaa cgaaacaatg gatgcgttct cttccttctt 60
 cgattctcaa cctggttagca gaagctggag ctatgattct cttaaaaact tccgtcagat 120
 ttctccagcc gttcagaatc atcttaaagc ggtttatttg accttatgtt gtgctcttgt 180
 ggcgtctgcc tttggagctt acctccatgt gctctggaat atcggcggta ttcttacaac 240
 25 gattggatgt attggaacta tgatttggct cctttcatgt cctccttatg aacacccaaa 300
 aaggctttct cttctgtttg cgtctgctgt tcttgaagggt gcttctgttg gccccttgat 360
 caaagtggca attgatgttg acccaagcat ccttatcact gcgtttgttg gaactgcgat 420
 agcgtttgtc tgtttctcag cagcagcaat gttagcaaga cgcagggagt atctctacct 480
 tggaggactg ctttcatctg gcttgtctat gctaagtgtg ctccagtttg cctcttcgat 540
 30 ctttgggtggc tctgcatcta tctttaagtt tgagttgtac tttggacttt tgatctttgt 600
 gggatacatg gtggtggaca cacaagagat tatagaaaag gcacacctcg gtgacatgga 660
 ctatgtaaaa cattcgttga cctttttcac tgactttgta gctgtgtttg ttcggtattct 720
 catcataatg ttgaagaact cagcagataa agaagagaag aagaagaaaa ggagaaactg 780
 aggggatgta aagtaaatat aactttatgg ttgttatcgt gtgtggccac tttgaagata 840
 35 ttacttggtt gcaactctcta ttggtgacca gacatgtttc cactaaaaag gatctgcttg 900
 tttcacttct gcacaagtac catcttcaga ttgtaaatga ctcgagtgtt gttcttcttt 960
 tcataaaact ttgttcttta agagtttggg tctactgatt gcactttac 1009

40 <210> 224
 <211> 1008
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(1008)
 <223> n = A,T,C or G

<400> 224
 50 ggcgcgccctt tttttttttt tttttttttt tttttttttt tttttaagca cacaaacgca 60
 tcaccaccgt aggattagtt ttgttccata tcaatggctt aattgtacaa acacataaat 120
 aaaagcatat aagaaagaag aagtgtgcaa caagacaaaa ggaattggta aacaagaaag 180
 ttcaaagtca actttttttg ggttcaacgt cacaaatacg caaagtaaag gactcatttg 240
 ctttgcctcta tcttggcctt cctcttctca ttgacaaaga agacgacaag agccacgacg 300
 55 gagaagacac tgaacagat ggaggcaata tctagggacg cgtggcggcc actgatagcc 360
 tgaacgctga agagattggt tttcttggca tcgtcgggtgc tctgtccata ggcaacttca 420

```

5  tggccaatgg catcaaccgc gtaggcacga acgaagtagg ttccgggtggg gatgtcacgc 480
   tcaagagtnn aagtagttga ttgaagtgtt ttgtcataag gcttggtctat gatcttgtgt 540
   gggcaggtct tgtctttgaa gagctcgtca tgggttttgc gccatggtcg gtcaacttgg 600
   ctaggtggag cgtagcatag ctttaactttg atgatcttaa attcagcctc tcttttagac 660
   ccaatcgagc ttagcggtcca tgtaatgttc aacgtatcct tgccggcatc caaaacaaca 720
10 cctgggtcctt ctcggtctggg tttagtgggtg acatcaagtg cacctttgtc cagctctttg 780
   aagagtctta ctttttccgc cccgtggatg gattggatca gtgagcatat gagaagtgaa 840
   gcaaagagga tcttctggat cgccatggat atatccttga aacctttcga agacttggga 900
   agattgtgtt cctctctctg cacaagtgtc tgtgttgtct ccgtccagct gagagatggc 960
   tcctaaacat gccaaaggat gagatatgag tatttgtttt atccggac 1008

```

```

15  <210> 225
     <211> 1008
     <212> DNA
     <213> Arabidopsis thaliana

```

```

20  <220>
     <221> misc_feature
     <222> (1)...(1008)
     <223> n = A,T,C or G

```

```

25  <400> 225
     cgacttcctc ttcctctgac tttgagcagc tctgtcttct tctcgaaatc gtctcctgtt 60
     tcttctgctt tcatggatgc ttcaaatccc aattcttcta gaaaatctaa tgtctcttcc 120
     ttcgctcagt ccagtcgaag cggtaggtaga ggaggaggat atgagagaga taacgatcga 180
30  cggagacctc agggtcgtgg cgacggtgga ggcggaaagg atagaatcga tgcacttgga 240
     cgactcttga cgagaatatt gcgacatatg gctactgagc tgagattgaa catgagaggt 300
     gatggttttg ttaaagtgtga agatttactt aacctgaatt tgaaaacttc tgcaaatatt 360
     cagttaaaagt cacacacgat tgatgaaatt agagaggctg tgagaaggga caataagcaa 420
     cggtttagtc tcatcgatga gaatggagag ctcttgattc gcgctaacca aggccattcg 480
35  atcacgacgg ttgagtcaga gaagtactt aaaccaatac tgtcaccaga agnngctcca 540
     gtgtgtgtac atggaactta taggaagaat ttggaatcca tcttagcatc gggcttaaag 600
     cgtatgaata gaatgcatgt tcacttctct tgtggattac caacagatgg tgaagtgatt 660
     agtggcatga gaagaaatgt aaatgttatc atcttcctcg acatcaagaa agctcttgaa 720
     gatgggattg cgttctacat atcagacaac aaagtgattt tgactgaagg cattgatggg 780
40  gtattgcctg tcgattactt ccagaagatc gagtcttggc ctgatcggca atccatacct 840
     ttctgattca tataattcaa catcatgcga agattgacag gatcctatga caatgattgt 900
     gaggattctt ctgaaccttg attatgtaat gttgtctcag tgttttcaat tgcacatatg 960
     acaatttatg aaaactttca agattatggt gtttcctttg cccaaaga 1008

```

```

45  <210> 226
     <211> 1007
     <212> DNA
     <213> Arabidopsis thaliana

```

```

50  <220>
     <221> misc_feature
     <222> (1)...(1007)
     <223> n = A,T,C or G

```

```

55  <400> 226

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5	tatatgatgc	gcgctctaga	ggatgatttc	aaacaagttg	ttggtattag	ttggtatctt	60
	tggatctttg	tcgatcatctt	tttgctgcta	aatgttaacg	gatggcacac	atatttctgg	120
	atagcattta	ttccctttgc	tttgcttctt	gctgtgggaa	caaagttgga	gcatgtgatt	180
	gcacagttag	ctcatgaagt	tgcagagaaa	catgtagcca	ttgaaggaga	cttagtggtg	240
	aaaccctcag	atgagcattt	ctgggttcagc	aaacctcaaa	ttgttctcta	cttgatccat	300
10	tttatcctct	tccagaatgc	ttttgagatt	gcgtttttct	tttggatttg	ggttacatac	360
	ggcttcgact	cgtgcattat	gggacaggtg	agatacattg	ttccaagatt	ggttatcggg	420
	gtcttcattc	aagtgttttg	cagttacagt	acactgcctc	tttacgccat	cgtctcacag	480
	atgggaagta	gcttcaagaa	agctatatct	naggagaatg	tgcaggtttg	tcttgttggg	540
	tgggcacaga	aagtgaagaa	aaagagagac	ctaaaagctg	cagctagtaa	tggaaacgaa	600
15	ggaagctctc	aggctgggtc	tggtcctgat	tctggttctg	gttctgctcc	tgctgctggg	660
	cctggtgcag	gttttgcagg	aattcagctc	agcagagtaa	caagaaacaa	cgcaggggac	720
	acaaacaatg	agattacacc	tgatcataac	aactgagcag	agatattatc	ttttccattt	780
	agaggatcat	catcagattt	tagcttcaag	gtccgggttt	gtgggtttata	cataagttat	840
	agtgacttga	tttttttggt	ttgttacaaa	gttaccatct	ttggattaga	attgggaaat	900
20	tgaatctgtt	tgtatatgtt	attatttgga	acattgtgga	tgcccatgga	tatgtttctg	960
	ttcaattatt	ttggttttgg	gtaatgaaat	ttgaaaccaa	cgaaaaaa		1007

<210> 227

<211> 1006

25 <212> DNA

<213> Arabidopsis thaliana

<400> 227

	tttttttttt	ttgcagatgt	ttttgcttaa	gttgatcttt	acaggcttta	tcgcaattac	60
30	atggccttata	tcaatgactt	atcgagaagg	taaatatgta	caatgagaaa	gcaccacact	120
	atataaaaaca	ttagccgttt	caaaaacactt	tcaatatgag	acagaaccga	gtccttctct	180
	gctacattct	tcatcaaaga	aacttgtcac	aatagtttcc	acatcctgca	atccaactcc	240
	tacacaaagg	gtcttgagtg	gtgtcctaac	tgaatcagtc	atcacagcat	cagtctcctt	300
	cacaactcta	acgtttgggc	catcacgaca	cttccccatg	cacttgcaag	ccacagcaga	360
35	tccttcgaaa	ccgctcatcg	ccctttgaaa	ctcatccaac	aacaaagctc	ctcctgatct	420
	cttacacttc	cctcccatac	acacttctac	tctattcaat	ggtaatccaa	ccactgaaac	480
	cgtctctacc	gtcttcaatg	tctgtccagg	attggccatt	gaaggaaaaa	ttgtggatgt	540
	ttgtagagca	atctgcaatg	cttactgggt	gttcttgcaa	gaaattgcat	cctcttggtat	600
	cctaggaagg	gttgctactg	tggtctctgg	ttgtaacggc	tcaagaaccg	gttttagcctt	660
40	gtttctttaa	gagctcatgt	ccacaacttt	gcctttatca	caatcactat	cacttgattc	720
	agacgaagaa	gatgattcag	agtccatttc	agtcattctc	ttcatggctt	tggtcttagc	780
	cttctcttct	ttcctctgtt	tcttcaatat	cttctcctct	gctttcaact	gctccagctg	840
	cttaaccaat	atctctgtag	cttccgagat	tgtcttggtc	tgaatctcac	caaccaaac	900
	agcttcagga	tcaagaccaa	acctataact	agagaacata	tccaagttct	tagaaagact	960
45	tttaagaact	ttcgcttctt	tcttcaacgc	cttcttctcc	ttctcc		1006

<210> 228

<211> 1004

<212> DNA

50 <213> Arabidopsis thaliana

<400> 228

	tttttttttt	tttttttttt	tttttttttt	ttgatagaat	caatcaacag	agataaatatc	60
	tccgaagaaa	tttgttat	ttt	agagaatgac	aagtgactta	acattacggt	120
55	aaaataccta	atcacgaact	gttacatcaa	atctaaagca	gaaccagaac	aaaatagaga	180
	acacacaaaa	ccaagtagaa	gcataacaag	cgagagagag	aacattcatt	ggtaatccca	240

```

5  aacctaatta aaggaattac catcctccac caccaccgct tcctccgtaa cctcctcctt 300
   caccaccacc gtatcctcct cctccctcac gtcttcacc accgtagctt ccgccaccac 360
   cacctcttga ggagtaaccg ccgcgcgcgc cgctgtatcc tcctccaccc tcgcgtctac 420
   cgccgccacc tccgtagcta ccacctccac cggagtaacc tccaccaccg ccgctgcggt 480
   atccaccgcc accacctcca cgggtggcctc cgccgccacc gcttcctcgt gactgagcct 540
10 cgttaacagt gatgtacgg ccatcgagat cttgtccgtt cattccctca atcgcatcct 600
   tcatggcttt ctcacctctg aagggtgacga atccgaatcc ccttgatctt ccagtctcac 660
   gatcgttaat gatcgatttg ggaaaatata agtaacagta gtagtagtag tagtaacaaa 720
   gaacgagaat agtaacagag taatcgaatc aagtaacaga gaaacacaag atcggaacag 780
   atccgtcgag gatgagatca tcgatatac tcggagtccg atctcggcgt gtaacagacc 840
15 ttggaatcaa taacgtcgcc gtattgagcg aaggcagctc caagagctct gtcacagtg 900
   gcccatgcta gacctccaac gaagcaccga tactcaacat caccggacgc cattgaaatt 960
   tgaaaagaag atctaaggga ttacagttag agtcggacgc gtgg 1004

```

```

20 <210> 229
   <211> 1003
   <212> DNA
   <213> Arabidopsis thaliana

```

```

25 <220>
   <221> misc_feature
   <222> (1)...(1003)
   <223> n = A,T,C or G

```

```

30 <400> 229
   tttttttttt tttttctaag taaccctttt taaaatttat cctataaata aaattttacag 60
   ttcatacata caacaaaaac aactcatgaa cctttggtaa acaagaagaa agaaaccgat 120
   gcaaataaag aaaacgaaaa tggagttttt aaaaattatt aaaacaacaa aagaaaaaaa 180
   aaagaagaag agttgttacg aggcgtgaaa gatgcgttgc ttcttgctac acaccaacga 240
   taacatctca gtatcggtta ctcttttggt tcctacgacg tcgtttcttg aactctccgg 300
35 tgaaatgtta actccgaaca atctcaaaac ccgaccgcga tctaaatctg acccggtatct 360
   cgacttccac ccaatgtaca actgttgatc ctgaccgtta gatctactga aactaaccac 420
   gtcaccagca cgtagattct tctccttaac gaacctgtc caacctttag tcaaaacata 480
   actctgacta ctgttccaat acgagtaacg gaacctccac actttcccgt taacgtcctc 540
   aaagttcaac aacactcctt tcacggaaac gttacttgac ggtaacggaa aatgtttctc 600
40 tgcgtgatgt ttcggtataa ccaaacggtt tagcttccca acgtcgcttg gcgttacccg 660
   tttctcaaac agtgccctcc cggattttaa ctccgtcgta gaaacacccat cattactcaa 720
   ccccgacggt aacaacgtcc tagtcatgtt tccgttacca ttacgacgcc gtttactctg 780
   ctctaactct tcgttataag tatgtttcct caacatatca acgatctcag atttcgaatg 840
   agaattcaag aaatcgacct cgtcttcgtc catcttcacg tctttgaaat ttgtgacggc 900
45 gtcacggcga cggaaacctgt gaannnnnnn nnnntaggca cgagcggctn nntcttcttc 960
   gttgaatgtc ccgagccaca cgcgctggtg tttctcgtaa atc 1003

```

```

50 <210> 230
   <211> 1002
   <212> DNA
   <213> Arabidopsis thaliana

```

```

55 <220>
   <221> misc_feature
   <222> (1)...(1002)
   <223> n = A,T,C or G

```

5

```

<400> 230
ccacgcgtcc gactactaac cagcaaatgg gtcttaacgt tataacagaa ctgatcatcg      60
gg tactttata cccaggaaag ccactagcca atgtcgcttt caagacatac ggatacatca      120
gtatgtctca agccttgtac tttgtaggag acttcaagct tggtcactac atgaagattc      180
10 ctccaagatc aatgttcatc gtccagcttg ttgcaactgt ggttgcacat actgtctgct      240
tcggaacaac ctggtgggtc attacatccg tcgagaacat atgtaatgtc gatttgcctc      300
cggtgggtag tccatggact tgtcctggag atgaagtgtt ctacaatgca tcaatcatat      360
ggggagtgat tgggtccagg agaatgttta ccaaagaagg tatctatccc gggatgaact      420
ggttcttcct tatcggtctc ctcgctccag ttcccttctg gtacctatcg aagaagttcc      480
15 cagagaagaa atggctaaaa cagatccatg ttcccttgat cttctctgca gtaagcgcca      540
tgccacaagc taaggctgtg cattactggt cctnnnnnnn nnnnnngnnt gtgttcaact      600
actacatctt caggagggtt aaaacttggg gggcgaggca caattacatc ctctctgagg      660
cgcttgatgc aggtactgag attatgggag tgttgatatt cttcgcatc cagaacaatg      720
atataagctt acctgattgg tgggggcttg agaattcaga ccattgccct ctagcgcat      780
20 gccctctagc caaagggtgt gttgttgaag gttgtcccgt gttttaagaa ttgaagtaga      840
tgcaacgttg tcctgaaagg ggtaactgtt gatggcttcg gtaaccttat atctgtgtaa      900
aaccctccaa gttaagggac tcaacaatg taaagcacta gatttgggtt catgttcttc      960
agtatttaac tattcccttt gtaagtataa gaacagtagc ca      1002

```

25

```

<210> 231
<211> 1002
<212> DNA
<213> Arabidopsis thaliana

```

30

```

<220>
<221> misc_feature
<222> (1)...(1002)
<223> n = A,T,C or G

```

35

```

<400> 231
attattgttt tgtaataatc gtgagaagaa actttagggt ttcactgttt cagagttttg      60
attggtgaat tataaaagat gcagcaatct ccacagatga ttccgatggg tcttccttca      120
tttccgcccc ccaataatat caccaccgaa cagatccaaa agtatcttga tgagaacaag      180
aagctgataa tggcgatctt ggaaaatcag aacctcggtg aacttgcaga atgtgctcag      240
40 tatcaagctc ttctccagaa gaatttgatg tatctcgctg caattgcgga tgctcaacct      300
cagccaccag cagctacact aacatcagga gccatgactc cccaagcaat ggctcctaatt      360
ccgtcatcaa tgcagccacc accaagctac ttcatgcagc aacatcaagc tgtgggaatg      420
gctcaacaaa tacctccttg gattttccct cctagagggt cattgcaatt tnntngcccg      480
catcagtttc tggatccgca gcaacagtta catcaacaag ctatgcannn ncacatgggg      540
45 attagaccaa tgggtttgaa taataacaac ggactgcaac atcaaatgca ccaccatgaa      600
actgctcttn nngcaacaaa tgcgggtcct aacgatgcta gtggaggagg taaaccggat      660
gggaccaata tgagccagag tggagctgat gggcaagggt gctcagccgc tagacatggc      720
ggtggtgatg caaaaactga aggaaaatga aatagaggaa gaataagtga tgcttcttgt      780
tgatatcaat taggttctac ctttcatttt tactttcttc acgatgatat aaaaaaaagg      840
50 ttttgcatt ttatgagtta gtctctgtta aaagggttct gagacagttg agtttcagtt      900
cctagatgga tgtggaatgg ttcacattca catgtacaat gttaaatgtt gttgtatggt      960
attagtgtca ccggttcaat ttggtgtaaa aaaaaaaaaa aa      1002

```

55

```

<210> 232
<211> 1002
<212> DNA

```

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1002)

10 <223> n = A,T,C or G

<400> 232

ttttttttaca	aagtcagaca	tatatataaa	caactatgtc	ttttagaaac	cctaacaacc	60
agaaagcaca	ataagtcaat	aacagaggat	aatctaaacc	taaactaaca	aaggtcaggg	120
15 caaaaaatgt	catttattca	taatgaaaac	tctctcctac	tctgtaacct	agatctttca	180
ctcaattttct	cttaatctcc	tgtacaggta	gcactatcct	attacattaa	tcccaagcta	240
ggagtctgggt	tcacccgttc	ttgttgcttc	atccttcacc	atgggtccgg	taatgtcctt	300
ctcaagcatt	gccttttgct	gccccacggg	cgcttcgacg	tttctttcag	ctcattcttc	360
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ccattattat	tgttgataga	attatttgca	gccccagcaa	aaccttgggt	ggttatattc	720
25 acaggcgag	aaaatgctac	gtttgcttgt	ttaggaaaaa	tggtttgagg	cagccgctgc	780
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tgttggtgtt	gctgctgcat	tgttccaccc	atcttgagcc	ctaaaccagg	tggtctgattc	900
aagatcatag	aatcattagt	accattnnnn	nnntgtctgt	tttgatttgg	ctgaccaaat	960
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<210> 233

<211> 1001

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(1001)

<223> n = A,T,C or G

40

<400> 233

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gctcctacaa	gcaatcaaaa	accgatcga	gatccgataa	caacaagacg	agaaattcga	180
45 aaacccatt	gctatacttc	gttccaacac	gagaattgat	ctcagatata	taccgattag	240
caacaatcgg	gagagatcta	ggtatggata	tgtacccaac	accatcactc	tctcacatca	300
tcttctcatt	cccatcgcca	gaatcaaaa	cgccgtcacc	tttctcttct	tcacgcac	360
cttcgacatg	gtcgtcttct	gcttcgctat	cgctgtctct	ctcgtgggtc	cttcctaacc	420
acgcgcgaat	gctctccttc	cgtctctctc	ctgcctcact	gctctctcat	ctccgatcct	480
50 tctctccct	ctccaacggg	ctcttcaaac	tctgtctctc	cgcaaccacc	gtagaaacat	540
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aaatcgccaa	caagcgaatc	ggatcgatgg	agagtttttc	gaatgcattg	gcttcaaaag	660
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gctcagtgtg	tctgttttag	aaagtgtata	ctggctcgat	catgaccgga	gaaggaaacg	780
55 ggtcgtgtag	agtaagagag	ctgagacttc	ctcaattgga	tttcaggaac	gcacctctac	840
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5 acttttttttt tttgtttgtn ntaatctgtt tttgatttgt ttctttaatg taatcatctg 960
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<210> 234
<211> 1001

10 <212> DNA
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<220>
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15 <222> (1)...(1001)
<223> n = A,T,C or G

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gccgcggtaa cgactcctga agaagatatg cctttgcttc ccgatgactc ggagacttgc 180
gttgacggat tagggaaatc tctgaggcag agagggattg agctcactag accgaacgag 240
acttgcgacg tcgtttactg ttactgtgga atcagattgc atccgttgag ctgttccgag 300
gcttttagag tgaatgatga agggagactc gttggagacg agagagttga tagattagag 360
25 actgattggt tgagtggaaag ccacaacaat gctgatggat tctcacctct tcttgnnngc 420
aacnnnnnct tgaacantct ctataagcta aatccgaaga aaacttcagg gacaagaaac 480
ccatcaaagg aagaccnaaa cagaacagca aagatgcaca acaaagactg tgtcctcatg 540
ggctcactt ggcttctcgc taagaaccgt actgcttatt tccccactgt cacttctgtc 600
ctccgagccg tcatgctgaa ccacgatggc gtgccacgtt catgtgctct cggcagcgac 660
30 ggcatgcctt tagccgtcga ttcttccgaa ttctccaacg gctcgccaac ttcacttcag 720
tatccgcacc acttgggtcca cttcttactt tacagcggtta tcacattagt cctaataagg 780
tcgtggtgac gtggcacacc atggttggtt ttgattgtga cgtggagcac gtggcattac 840
gtggttggtt gagagaagtg aaattcagat agagagaaag agagagggct ttggttctgt 900
ctttgtaaat tagttttttg gtgtcgttgt tgttttagta gccatgttct ttaacatttt 960
35 attacatcaa aaaaatcttg ttgtattttg tcaaaaaaaaa a 1001

<210> 235
<211> 999
<212> DNA

40 <213> Arabidopsis thaliana

<220>
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<222> (1)...(999)
45 <223> n = A,T,C or G

<400> 235
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50 atcattactt gcatttattc tgcactaacg gtactaatcg aattggttct gtttctttac 180
ttccacacca tttgttttct ttaacaattt tatacattac atatccataa atggaaaaca 240
aaaaaatatc ttcacttcac atgcctccaa tgaatcctct ctcatctct tagcataact 300
aattcaatca ttgtcatcta caaagtcaca cagagagaat tgtaaatacg taaagccaca 360
attataaaca taagtgtaaa gagcaaaacc ggtggtataa accggacaat agatttgctt 420
55 cacaaacccc aacaaaacaa aattaggtca ctgagatttg actgttacct ttaaggaatt 480
tcaatctcat catogaagcc tatccacaat aaaaccaatc gtcgaatcaa atcttaatta 540

5 gattgctgta acgatcaata aatctagaac taatcacatc aacaatctct aacatttttaa 600
aacctagatc ttaaattcaa gagtcctcat actcctacat ctacaaatcc taaaatttcg 660
aaacaaaggc aacatcactt ggcttttaaaa tcaagaccaa agcaaagatt caacatttgg 720
gcaaacaaaa ggagactaaa gaacattcaa atataaaaaag ggataaaaaat cagatatata 780
atatttctaaa acaaacaatt tcagattcaa agatataaaa aacctttttc taggttatat 840
10 caaaaaataaa aagcataaga aaacgaatat aaagaaggag aagcgtagaa atcttccaga 900
tctgatagga tttacgagtt tttttacacc tcgaggatcc gattcagttg atgcaaggcg 960
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<210> 236

15 <211> 999

<212> DNA

<213> Arabidopsis thaliana

<400> 236

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gaagctttga cagatctacc aaacttaaga aaggccacga acttttccag tttcagtgtc 180
aatatcaatc tcgtagaaac aaggctctgt aggaagtcca ggcattgtac tcattgtacc 240
aaccagtggg tatatgaaac cagctccaat gcttcctctt acatccctaa ttggcaatac 300
25 aaaccttgaa ggtgctcctt tctttgatgc atcatgtgag aatgagtact gtgttttcga 360
catgcatatg ggaagattcg agaagccttg ttgtgtgtac atctcaatct gtttctctgc 420
ctggtctgaa tattcaacac cactggctcc atatgactta gctattgcct caattttgtc 480
tttgatacca atgtccaatg ggtagagaaa cctgaggggc tgtgtaatgt tttgacaagc 540
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30 gaccacagca tcaaaagcac cggcatccat tgaaaatttc ctaactgcat ttagtctctg 660
ttcgggtatct gttgcgaaca tattcacagc aacaattaca ttcacaccgt aggcctttgt 720
gtttgagatg tgctttgcca gattcacaca gccagcttca actaaggaaa cattctcgct 780
tacataagca cgatcaagag gtctcccggc aacaacatca ggcccacctc catgcatttt 840
caaagcccta acagtcgcca caacaattgc aactgaggc gttagccac tgtaacggca 900
35 cttaatatct atgaacttct ctgttccaat atcagaacca aaaccgcctt cagttaccac 960
aaatccacca ggtcccacca gcttcaaagc gattttatc 999

<210> 237

<211> 999

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(999)

<223> n = A,T,C or G

<400> 237

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tcatattgtg cccccagcca aaaaaaaaaa actactcata tactattagt tataaaatga 120
gatgaaatgt gttttttttc tttcttttta atagttcaca agcaacacat gcatctatga 180
gaagatcaat atacaaatta caactttttt ttgtataatc tcgtctcttt caattttaa 240
tgtgaaatct ttctttaaca agcagagcca gcttctacca gcttgcttaa tttgttggtc 300
cttaatcttt ctctgtaaac ttcacttccg tgcattctcat tctcatacct cgggtggcata 360
55 ggaatcaaag gagacaaact ctccactagc ttgagagctt cttcttctgt gttgacgatt 420
tggttgaagc agaagtatcg accgcaagct gaaacatcct cgaatgctct aatatgaacg 480

5 tccgctagaa acttaacgct tacataagct aacacacccat tctcatacat ttgtgcagct 540
cctttaaggt atgacatggt gggcctagcg ttgtgtttgtg cgacagatgg tccgacgaca 600
agaccagggt tgatagagac catgttgagc ctacgggtcca tggctaatagc ccaagctgct 660
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tcaactccaac acttctcatc aacatccttt tgagttccaa tgttgtctct ccaaattgaa 780
10 gctgttaatg aagaagaaaa cacaatcttc tctatactct ctgttcttcc acacgcttcc 840
accacattga tcgtctctct cacttccaaa tccacctcct tctcccttca gggctgtcta 900
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<211> 998
<212> DNA
<213> Arabidopsis thaliana

20 <400> 238
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ttcgtgagat taactttcct tctatggaag tttctgaaca gccttctgag agttcttctc 180
aggacagtac taaaactgat ggcaagatag ctgtgtcagc ttctcctgct gttcctagga 240
25 agaagcctgt tgggtgttagg caaaggaaat gggggaaatg ggctgctgag attagagatc 300
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aacgtgatgt ttcttcatct gagactagcc aatgctctcg ttcttcacct gttgttctctg 480
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30 cgaccgttgc tccaactgct ccaactccaa atgttctctg tgggtggaaac aaggaaacgt 600
tggtcgattt cgactttact aatctacaga tccctgattt tgggttcttg gcagaggagc 660
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35 ctatcaacat ctcttgccca ttaaaaagtt ttgcagcttc ataggatctt gcttagtaat 900
gttaagtgtg aagagtgttt tgttttttcg tttatgcttt agtaatttaa gacatacaaa 960
agtgtgtgtt ccggattgta gtaagatctt aagacata 998

<210> 239
40 <211> 997
<212> DNA
<213> Arabidopsis thaliana

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atacataagt cgaaagacca tgtcagaatc gggcacatcc ggttcttatt ccgcttcac 180
agtgagattt ctggatacca atgaggcggg cataatccac ccataataag gaacccaaga 240
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50 gcattggctc caggagacgt tgttcaatca caccagccac tatttggtac cttaggttgc 360
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5 ccacatcggc aaagacaact tcaagttcat tgaagaagtt ttctctacgc cgttcataact 780
cagcagcagt cttggtgaag attccaacac cacattccat ggcgagttta gccatgaaga 840
gatcatcagc caacaatctt tccctaaacc caccaaaactg catcagccac cgcacacag 900
ccgatttctg aagctccagg aaccgagtga taaccgatcc aggaatccga cccgcctcaa 960
tagcagccgc tagatctttg ggaagactcc ggacgcg 997

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<211> 997
<212> DNA
<213> Arabidopsis thaliana

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attcaattgg gtaacgagtt ggtggagaga aggattgatt tggatcacgc aggtggtagc 180
20 gtggggctta tgggtctcgt ctctcaagct gttcatcatg gtggtcgcca tgttctaggg 240
gtcattccaa aaaccttgat gccaaagagag ataaccgggtg agaccatcgg agaagttaaa 300
gccgtggccg atatgcatca aaggaaagct gaaatggctc gccaaagccga cgcattcatt 360
gcccttcctg gtgggtatgg tacgttagaa gaattgctgg aagtcattac atgggctcaa 420
ctcggtatcc accgtaagcc ggtgggtctt cttaacgtgg atggttacta caactcgtg 480
25 ttaacgttta ttgataaggc tgtggacgaa ggatttataat cccaatggc tcgtcgaatc 540
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30 aaagaaagta ttggggctcgt tttgataaac attattttgt aggggtggtt taaatgtgtg 840
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35 <210> 241
<211> 996
<212> DNA
<213> Arabidopsis thaliana

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atccagaacc gatatagggg ttcaataaca aaaacgaaca cacatgaacg aaacaataaa 180
agagatatta cgaagaaaaa aattcaggat aaggggaaag aagaaagtga atgctgcttg 240
45 cttacacagc ttacgaatcc gagggagcca ttgacaacat ctttaagtctc gtactcctct 300
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tgtgatcctc tcgatgtcaa tgggtgcgaa ccaaccatga agaagtgaag ccttggaat 840
55 gggataaggt tcacagcgag tttcctaagg tcagagttaa gctgaccagg gaaacgaaga 900

5 cagcaagtaa caccactcat thtagcagag atgagatggt taagatcacc aaaggtagga 960
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<210> 242

<211> 995

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 242

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	tatgtatatc	tatatgatcg	cacaagggca	aaacgaacat	aaccaatacg	acaaaactaa	180
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	tagtaatgat	gctagttcaa	gcgatcatca	aacacaactt	ccttatcaca	tattgggcat	360
25	ctatcgcttc	tttcaatcca	ctccagaaga	caagagaggt	gaaattcgtg	ctcacacttt	420
	gtcgttagtc	ttggattctc	aacatcataa	tcttcaaagc	aaataggaca	acattcctcc	480
	tcttcatcaa	ccaatatctt	caatccttga	tgtttcgaga	aatctgattt	cctcggtgaa	540
	agaatgactg	agcngmntag	agttttacag	tctgattccc	caagatcttc	acatgtcgtc	600
	agcgtttcaa	aactgcttcc	actcatcctt	cctttgatgg	actcagaatc	tgtgcattgt	660
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	gatgtctcca	aacctatadc	aaccaagagg	cctgtggtga	atgctgatcc	cacaccagca	780
	cgggttcctg	aagggaacag	ctcttcaaaa	gattctggac	aataatagta	aacagggtgt	840
	ccaacaagat	gtgacttcct	cgaagaacta	cagcaacctc	ccattttcac	cagctatagt	900
	aataattaag	caagagtagc	gaacaacagt	ccttgaagca	ttttactgat	gcattgccac	960
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<210> 243

<211> 995

<212> DNA

40 <213> Arabidopsis thaliana

<400> 243

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45	tcctttattg	agagaccaac	taacataaaa	cgtaaagtgc	aatgactgac	tcattggaagt	180
	tggatgagag	atagatccat	ctatttagtt	taccaacctg	gattcataat	gcatcaaagg	240
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	tttccgtttc	tcttctttag	tatcccaagc	aacgtgatta	gaatacgggc	gccactgcag	360
	cctagagggg	gtcctaagga	gacagctcct	ccattttacgt	tcactttctc	tggagcaatc	420
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	actagaagtc	ctagctgaag	agccttctct	ccgctcacta	ggacaagggc	agctgcacca	660
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	gttgatggcc	tacctcttcc	tccagaaact	tcaaccggga	cgatttccca	tgtgaaggcg	840

5 ccagcttcct gggcagcaat accacgctca aaactctgaa ctgcatagtc atcttgctgc 900
 tcccttgtaa tctgaaactt ctcagcgcac aattctgcac agcttcccat cccacagtcg 960
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<210> 244

10 <211> 995

<212> DNA

<213> Arabidopsis thaliana

<400> 244

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 gcaagaagag aagcagcaca aggccttagt tttgacaagt taaacaacga aacaacacaa 180
 aacatcaaac acaacaacaa caacaataac aacgaggact gcatatttac actgatctgg 240
 aagcttttca gattcagcag cacaagacca gacgacacaa cagggaactc ttttctttcc 300
 20 attattcaag atctagtaac ctccctgaat atacgcattt aggcgttgaa gctcctctct 360
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 25 aatgatacca gcaagagctt gttgctcacc aggtttcaca accaccaagg caccaacatt 660
 gtgttggtgc atggatttaa cagcatcata aacagtgctc tcagtagtac accaaagcca 720
 agatccatca gcacttttgc ctttggattt catgacatcg gaaatagttg tgctctcgaa 780
 tccagattcc tccatacgtg cagggttagt tgattcatag cgtgaacaaa acacagaagg 840
 ctgaatcgcc ggggttaatca caggagatg ttgcagcaca gaccccttca caacatttcc 900
 30 accggagacg aaggatcgaa tcacaccttg catctttcaa ctgagattag agaagaagaa 960
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<211> 994

35 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

40 <222> (1)...(994)

<223> n = A,T,C or G

<400> 245

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 atatacttgt tgggtcccttc actgggactg gtcctgggtg tcagagacgg cctcatagtg 180
 actatagtgt tttcgtctgc tcctgcttcc agtgcagcca tccctgcttc cagaaacttc 240
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 ggatattgagt ttaggagatg gtctccaacg agttgagagg ccagttggat cagctccacc 360
 50 tgggaattctg agagctttga gtcttctttt gctccccatg gcctcagcga tagtttccact 420
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 aatgtannag cccatgcac tctctttgta aggaagttag acttttaggt gaagagtttc 540
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 tcatgtatca cagtgcctt ctcaatccag ggggagatca gaaaggtagg gacccgaaca 660
 55 cccaatcggc caaacccaaa gtaaacggga tcaggtccaa tgataccatc aggggttaggc 720
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5 agcaaagcca tctctttcca ctgtggacta ctccgtaacg tctcataaac ttccttaaca 840
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agcttgaact taagtgcata gctatggaat ttca 994

10 <210> 246
<211> 994
<212> DNA
<213> Arabidopsis thaliana

15 <400> 246
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cttactcaat cagaggaagt tgttgaggag ctttctattc aacagactaa atacgaccat 180
cggagtctgc cttctttgag aactgccgaa gccgaggctg ctgagtggaa tgagtggag 240
20 agatggggga accaagagtt gcagcataat ggcactcgca ttagaggaat tataacttac 300
aaatcagggga acttgcccggtg tgttttgtca ttctctgtaa tagagattct catgatgggt 360
gtggcttcgt ttgttccaaa cttcttgact ggtcttttca ctggagctgg ccttattgga 420
atcatcatga cgtcttcttg attctccgtt cttcttctctg atcttcccaa aatcttttgc 480
cgtttctcga tttcctacac gatttcttac atgatttttg gatcttgggc catcaagcta 540
25 gggcacaaca acaattttct cgggcctcta tcaccggacg agccgaaaat gacaggagaa 600
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ctttcataat atcagcatta tcatctatga gatctgggta tctatttaag atcagcattg 840
30 tcattgttgg aataagtttt ctttaccaaa ctctaaaccc aaatgttcca ctattgaaac 900
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tgtgatgact gtgaataaag aagaaaagag attt 994

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35 <211> 994
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tcacaaatta aactcacttt ccggggacga agttggtagc gaaggcccat gcattgttgt 180
tgactggatc agccaagtgg tccgcgaggt tctccaacgg tccctttccg gtgacaatgg 240
cctgaacgaa gaatccaaac atagagaaca tagccaacct tccgttcttg agctccttca 300
45 ccttcaactc cgcgaaagcc tcgggggtcag tagcgaggcc caatgggtcg aagctcccac 360
ctgggtaaag caagtcctct gcttctccca atggaccatc tccggcgact ctgtagccct 420
caacagctcc catgaggata acttgagtag cccaaatggc taagatgctc tgagcgtgga 480
ccaagctcgg gttgcccagg tagtccaatc ctccgtcgtc gaagatctgt gaaccagcct 540
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55 caggagagga gagagccatt gtcgaggcgg ccattgcggt gagagtgtgg cgcaagtaaa 960
aggctcttta gttaataaga gttctagatc gcga 994

5
 <210> 248
 <211> 994
 <212> DNA
 <213> Arabidopsis thaliana

10
 <220>
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 <222> (1) ... (994)
 <223> n = A,T,C or G

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 atgggtcatca tcaccatcat tattttattat tattaccatc aacatcatca aggtaacata 180
 20 tccatagaca tcatattgac atgggtcacgt gggattcatc gattatgagt ttactcatc 240
 caaaatagtt atcaatttcg tcaaacaaagt cttgacgttc atagaccgnn ntcacatcaa 300
 cgacgtcgtt ttcactcctcg tgaagaaacc tcgtaagtcc tttcatgaac gcannnnnnnn 360
 caacacaaga ctccctccaac atcatgaaat cttcatcatt cagaaatgtg gagaacccga 420
 tagtatcctc atcatcaacg ttgtttattac caacgaaatt atcgcagtac attagaggat 480
 25 tgtaaacgga ggaatcagag aacgtggacg aagaacacgt cagattaacg ttaccatcaa 540
 cgtcaaagtt cgatgaaact ggtgttggtg caacgggtccc atggcagaga agattcgagg 600
 ttggtgcgaa nnnagaactc gttgacttaa ctgattcaga gtcaacggaa acactttag 660
 ttgtagtatt agtagtgtga ctagtagaag caagtgggccc tccacttccg ataactctcag 720
 acagaacact ctgattgatt ctctttccga acctattagc tactttgttc aagaaactag 780
 30 ccgatgataa tccaaaattc ttgttggtct tcttcgcctt gtcattatca agatcatggt 840
 cactagttgt cagattaaca ttttggttct ccggggaggtt ttctgatttg tcggtaccgg 900
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 gagtgttcca gtagttcttg atctcgttat cgggt 994

35
 <210> 249
 <211> 993
 <212> DNA
 <213> Arabidopsis thaliana

40
 <400> 249
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 caaagagatg acactacatt tgatgcctat gtggtcggta aagatgatgc gcctgggatt 180
 gtggtgattc aagaatgggtg ggggtgtgac tttgagatca agaaccatgc tattaaaatc 240
 45 tcacaacttg agcctggatt caaagccctt atacctgact tgtatcgagg aaaggttggt 300
 ttggatactg cagaggcaca gcactaatg gatggccttg attggccagg tgctatcaaa 360
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 ggaatgtgca tgggaggtgc attagctata gctagctctg tatttggttc tgaggtggat 480
 gctgttggtg gattctatgg aacccttcc tcagagctcg cagatccagc acaagctaag 540
 50 gcacctattc aggtctattt tggagagctc gacaattttg ttggttttcc tgatgtcacg 600
 gcagcaaaga atctcgaaga gaagctgaaa gcgtctggag tagcacatga agttcacatc 660
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 55 agtcccaaaa cgttgtgtga tgcccaatca tctttaaata aggacattgc tcttagaact 900

5 tttaatctga accaaataaa gaggtttgtt cacttgtgaa tcagtattga gtggaaatgt 960
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<210> 250

<211> 992

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(992)

<223> n = A,T,C or G

<400> 250

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	gagtgaagac	ttgttgttgt	aacaaagcct	tcattccatat	cgctttttct	ttgacgctgg	180
	tttggtttgg	tgccaaattc	taaaacgcca	tccgcccagc	aagcctactc	tctgagattc	240
	gtctgtctat	cgctgcattt	atcgagttca	tctggctggg	ttcatcgtgc	actttgtatt	300
	ttggtaagga	cattcttctt	tcctccatag	acatcgcttc	atcatcccat	acaagataga	360
25	cctcattagg	ctgattgcta	ggagctttgt	ttgcaattac	aggaggtgga	ccaattgaag	420
	gacngctagt	gtttgggcca	nnggcataag	aatgagcatt	agtcccacct	ggaatagaat	480
	tgtaggcgg	ataagcatct	gctgatccta	aagcatctgc	atgagatggg	tgctgagccc	540
	caccaacagg	cagaggagca	gaaaatggtg	gagcttgaga	aggaatgctg	ttattcacia	600
	cagggaaacag	aggttgagga	actggcattg	caggtgatga	tgtaggaatt	ccaggaggag	660
30	ttactccagt	gactggtgat	ggttgatagg	caggagctga	ggttggagtt	ggagtcattc	720
	ccatattttg	aacaggaaaa	agtggttgtg	gtcgataccc	taaatgggca	gctggaggtg	780
	cagaaagagc	tggattttga	ggataccatt	ggtgcggacg	aggaggtggc	atttgccata	840
	caggagcagg	atgacgcata	ggaggacccg	gataatacat	tggtcgtgca	ggtacagcac	900
	cagggtacttg	ttgaggcgga	tataccattc	catatggtct	aggaactaca	ccaccaagag	960
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<210> 251

<211> 992

<212> DNA

40 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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45 <223> n = A,T,C or G

<400> 251

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50	agcagagcac	actgaatcaa	cacaatcacg	aaattgaagc	ttgagctgag	cgttgatgca	180
	tagttatcag	gaccagcaga	atctggacaa	gctggggaag	ctgtggtgaa	gatggtttgg	240
	ttggagtaac	cagcatagac	gcaatcacga	ggttgctctg	aagaggcggt	aagcaaagct	300
	ccatcacatt	gtgaaaatgg	tgggcagggt	tgccngttcg	aaggcttaat	ctcagatgat	360
	gattgacagc	ttaaagtcca	attcttcaaa	gcgtcacaa	tacacttgac	gcaattgttt	420
55	gcagtgaaga	cgtatgagtt	gttagacaga	agcagaggag	catccaacga	gtccttcctc	480
	acagaagagc	tacaagcttt	gagagggacg	tcgagagggt	tatcagcaag	aagctgagag	540

5 tcaccaatga ttccattgag ctgagccaac gtcgtgttgt ccgttccaaa ctgagcagcg 600
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 ttcgggtcag ggattttgtt annctcactg atcnnnnngt acgtnnngag accaccgaaa 780
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 10 ttcgagacac cggttccatt ggagcaagag caatggattg ggacacgtac gacttgattc 900
 gggttcacgc gttggtcacg tgaggtgttg agtgggagat tgtagctcc gaggatcgag 960
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<210> 252

15 <211> 991

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

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<223> n = A,T,C or G

<400> 252

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 gactacactg atgaagcagc aaagctcggg gtttcgtatt ttccagatct tgatgatcta 180
 tttgaagagc atnntgaagt tattattctc tgtacgtcaa tcctttcgac tgaaaaagtt 240
 ctcgagtcac taccgtttca gagactgaag agaagcacac tttttgtgga tgtactctca 300
 30 gtaaaagagt tcccaggagg tttattttct caaactctcc cacaagattt tgatattttg 360
 tgcacgcctc ctatgttttg gccagagagt ggatgtcgta tgggtggagat gtcgtgtgct 420
 gaacatgatt ggcatgctgc tggatcacag tttatcacac acacagtggg aaggcttctg 480
 gagaagctga gcttggaatc tactcctata gataccaaaag gttatgagac attgctaaaa 540
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 35 cctaattgcaa tggaacagct tgagagggtt catgtggctt ttgaatcatt gaagacacag 660
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 40 ttttgtcttc gatacgggct tcacagtccc aaccagtttg aatgttaaac agaaataaag 960
 tgcagacaag attttgagtt tggaaattgt t 991

<210> 253

<211> 991

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

50 <222> (1) ... (991)

<223> n = A,T,C or G

<400> 253

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 tagccgacgt agcatggacc gcggtggaaa cttaccatca ccaccaccac caccaagacg 120
 aaaatcacga gtcaacgaat ccaatttctg atccacgaga tcgtgaatta gaagctcttc 180

5 gtcaagagaa tcgtcgtctc aggactttgc ttgaatcgaa tcttaaactc tttgagactc 240
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 10 tggttcctag taatgtcgag gaacaaagcg cgatcgataa cgaacattac attgttgtga 540
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 tgtccacttg gggacttgca tttggagggt tataccaagc tcgtggtgtg ctgaagatag 780
 15 ctgctaaggg tgttcatgag accagcaagg ttgttcttag ggctcttga aagttataag 840
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25 <220>
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 <223> n = A,T,C or G

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 35 aaatacgaga ccaatcctgc tttgtatggt gagctcgcca aaggatcaaag cccaaagtac 300
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 tcttcatata taaatgtttt actcttattt aattgctact tgtaaatggta tacatttact 960
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 <211> 991
 <212> DNA
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aaaaaacttc catctgaaaa aaaaaaaaaa a 991

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<211> 990
<212> DNA
<213> Arabidopsis thaliana

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40 ttattatatt catatagtta tatcgaccaa agcaacacga tgaactaaaa taaagacaga 840
ctctttgatc tcttcgagag gtgcaagagt cgtggcaaca gctttaactt ggagatcaag 900
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<211> 990
<212> DNA
<213> Arabidopsis thaliana

50
<400> 257
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aagagattat taaaaagggg agataaaaaa gagagattcg aagttttgtt ttctttcact 240
55 gactcactta accggtgttt tgcaatcctg cagcaatacc cttcatggtt aagataagtg 300
tgtcctcaag tccaggcgcg tattcactcg tggggttaag cttgacgagc tcttgtgctg 360

5 atttgcttga ttgcatgac tctttagaaa tgtgtggtcg cagagtcaca ttgtagtttg 420
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cccataaatt ttctgagaca agaagtttgt cgtacaaaag agcgatcccg gggctctccct 660
10 tggcgaacac catttcaatt agatcgatgg tgactcggaa aaagggccat tgtttataca 720
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tcatacgtcc atactccagc tccggagtag cgaggcggaa atactcgacg aatcgagggt 960
15 cttggaaaac gacagatcgc ggacgcgtgg 990

<210> 258

<211> 989

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(989)

25 <223> n = A,T,C or G

<400> 258

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gtgaaatggg tacagttcct ggcaatcaaa tggtaatgtg caccatggta ctttcttgaa 600
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gaccgtctaa agatgaacct tggacagttc ctaggttcca cctcatatac cccacttggt 720
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taaaccggcg taagcgcggc ttctccactg ctctcatccc tctcatcact tgaacatgag 900
cttgagctca atgtaggcac ccacatttnn ncacaatatc ccaattcaaa gtcacgatcg 960
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45

<210> 259

<211> 989

<212> DNA

<213> Arabidopsis thaliana

50

<400> 259

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ggaggcaact ggaaatgtaa cggaactgct gaggaggtga agaagattgt gaacactctt 180
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tttcttcccc tggttaagag cacattgagg tctgactttt ttgttgccgc acaaaactgt 300

5 tgggttaaga aaggaggtgc tttcactggt gaagtgagtg cggagatgct tgtgaacttg 360
 gatattccat gggttatcct tggctactct gaaaggaggg caatccttaa tgaatcaagc 420
 gagttcgtcg gagacaaggt tgcctatgca cttgctcaag gtttgaaagt gattgcttgt 480
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 10 gtgtgggcca ttggaaccgg aaaggctgct agcccagccc aagctcaaga agtacacgat 660
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 gcagaggtga agaaaagtgc ctaatgagct cattaagcaa tttaaaagtc ctttgctttt 900
 15 ccagtcgcaa ctctgaaaaa atgaataagt tggattatg atatgatata ttttgcttca 960
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<210> 260

<211> 988

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

25 <222> (1)...(988)

<223> n = A,T,C or G

<400> 260

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 tgttggtccc aagaagatac tctggacgag aaagcagcac acgtcttcgt tttagattca 180
 ggacctttat tgagacttac gttcccacca ttccatgaac ttaacttggg ctgccattgt 240
 gtccaacttg tagagttgca gtgtgtggtt ggcgacctct tgcccaaagg tccaaccaa 300
 aacacctcct cctaagaagg acaatgcagc accatgtgga ctccnggagt atttcaggc 360
 35 aaaagcagca gttagagacag ctccaantnn ngctccggtg acaccaaacy tcacagcttc 420
 cctagccgtt ttcagcnnna tannatgacc acaaatacac nntgagtacc aaacgtaaga 480
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 catccgacga cgatgcagtg ggcttagtcc tcttgatct gtgcttccaa ggactaaagc 600
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 aaaatgataa cctatcactc cagaaatcct tcaatccatt ccaatttttc ccaacaaatg 960
 45 actccgaatc tcccatcttt ctcatgatc 988

<210> 261

<211> 987

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(987)

55 <223> n = A,T,C or G

5 <400> 261
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 attgtatttt tcatgagaca actcacttct ttttatgtgc ttgaggggaag actgacttag 180
 tttcttagcc atagcatcgg attggatcct tgcaaccttt ctcagctgat tgtcttaaac 240
 10 ccatgcgacc cccttttgcc aggtattgct ggtggttaatt ttctgctctg tagaatttcg 300
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 cttcacgagc tatgcgctct tgctcgtctg tgtagtagta tatacctgat cgatactgcg 420
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 15 gtcccgtagt gccagtacag acatcctcgt aactcggatt gtgcacgatg ccatggctat 600
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<210> 262
 25 <211> 986
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<220>
 30 <221> misc_feature
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 <223> n = A,T,C or G

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 ggtaggggag atttgagtag tagtagattg ttagatttgt aattcagcta ttggtgaaga 180
 ggaagggaga gagagatgtg ttgaattggt tgagtttggg ggaggaaaga agaagaagaa 240
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 40 gtagagaatc cgctcgggt gaggatggat gatatggaag gaatgcctgg aacattgctt 360
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 tctactagtg attttcttc cgttaccgcc ttctgctacc tagttgcagc tactggtctg 480
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 45 ctgacttttg cagcagcttg tgcacggca ggcataacgg ttctaataga caacgatctg 660
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 agctggttcg ctgctttgcc ttcgtttctc ttcaatttct ggtctcttgc atcccggtga 780
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<210> 263
 <211> 986
 55 <212> DNA
 <213> Arabidopsis thaliana

5

<220>
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 <222> (1)...(986)
 <223> n = A,T,C or G

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 aaaaaagggg tacgttttct aaataatttc ttagacgaat aagaaaaaaa aaaaaaagg 180
 15 aataagtggg gattatttct gaagaggtcc ggtttagtat tcagaggact cggagctgag 240
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 cgtgcacga gttactgagc ataccatctg cgctgctgtt aggaacccat ctgcacttca 480
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 25 acgtcacagt gccatcattc tgggttcggg tgcggagcga ttcgatgagg tgggttctgt 840
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 gccgatctc agggatgggt actcgt 986

30

<210> 264
 <211> 986
 <212> DNA
 <213> Arabidopsis thaliana

35

<400> 264
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 gaccagaact tagccaagaa cttatacggg gaagtgatcg ggacccgtac cgaggcgggtg 360
 gaccccaaat cgacgccgtt tcagccatac agtgaagtct tcgggctaca gagattcaga 420
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 45 tcttacttag ggcagccatt gccgttctct atctcgacat tgatatggat cgaagtgtta 600
 gtggctcggt acattgagtt ccaacgaaac gctgagctgg actcggagaa gcgtttgtat 660
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 ctataggtgt catgtaatga tgtactgtcg ttatttttaa gaaaatttgg caccttttgt 960
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55

<210> 265
 <211> 985
 <212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(985)

10 <223> n = A,T,C or G

<400> 265

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15	taaccatagg	atcaaagatg	gagggagaaa	ccgcagccaa	agcagcggca	agttcctcct	180
	catccccgag	ccggtacgag	tctcaaaaga	ggcgagactg	gaacactttc	cttcagtatc	240
	taaggaacca	caagccacct	ctgaatctgt	ctcgtttag	tggcgcacac	gtccttgagt	300
	tccttaagta	cctcgaccag	tttggttaaga	ccaaagtcca	tgccacggct	tgtcccttct	360
	tcggacaacc	taaccacccg	tctcagtga	cttgccctct	caagcaagct	tggggaagtc	420
20	tcgatgctct	catcgggcgt	ctaagggctg	ctttcgagga	aatcgggcgt	ggtcttcctg	480
	agtcaaaacc	tttcgctgcc	aaggctgtta	ggatctatct	taaagaannn	nntcaaacac	540
	angctaaggc	tcgaggnatt	ncttacgaca	agaagaaaag	aaaacgtccg	catacagaca	600
	cggcaactcc	aatcgccggt	gacggagacg	atgccgaagg	aagtgggtgt	gctgctttgg	660
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	tcttttaaaa	gcttttagga	tgatgatcat	catcttctta	ctttcacttt	attttcatgt	900
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30

<210> 266

<211> 984

<212> DNA

<213> Arabidopsis thaliana

35

<220>

<221> misc_feature

<222> (1)...(984)

<223> n = A,T,C or G

40

<400> 266

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	tggctttcca	aaggaacact	gatgatcctt	cttaggtcga	acatcctgta	actgagatga	180
45	ttgttgggtca	agatcttgtg	gaatggcaaa	ttcgggttgc	caatggggaa	cctctccccct	240
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	acgttccaaa	aggatttctt	cctgcaactg	gggtcctcaa	tcattatcgc	cctgttgacg	360
	tctcaccatc	agttcggggt	gaaactggag	ttgagcaagg	agacactgtt	agcatgcact	420
	atgatcctat	gattgcaaag	cttggtgtct	ggggaggtta	tcgtggcgaa	gcttttagtga	480
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	ttcaaaaact	tgctagtcat	aaggagtttg	cagtnggcaa	tgtagaaaact	catttttattg	600
	agcaccataa	aagtgatcta	tttgctgacg	aaagcaatcc	agctgcaaca	gaagtggcat	660
	acaaggcagt	caagcatagt	gcagcattgg	tggctgcttg	tatctccaca	atcgagcatt	720
	ctacttgga	tgaaagtaat	catgggaaag	ttccatcgat	atggtattcg	aatcctcctt	780
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	gaactggctc	taacctcata	tcactcgggtg	taagatatca	accagatgga	agctatctca	900

5 ttgaggaagg caatgattct ccaagtttag aactcagagt aacacgagca ggaaagtgcg 960
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<210> 267

<211> 983

10 <212> DNA

<213> Arabidopsis thaliana

<400> 267

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	aacatgaaca	tgtcaaagtt	tttctgtcca	actaacccaa	aactcacaac	acagaatgat	180
	ctagcaacca	aacaatacat	tgaagaacc	tgagctctgc	tccttctgat	gcaatctcga	240
	cactgttcct	tgtttaacaa	aaatgggatg	tggcaagctc	tcactcttgt	ttcttcagcg	300
	cagggtcagt	atgtgtgact	cctgatgtca	atttcttaac	actgtcttta	gcctctgcaa	360
20	caaacgaagc	gtctggcctt	tgtttatccg	cagggtcttt	cagggccaga	cagatgtaaa	420
	acacaataac	tacattgact	gataccacgg	caagaaatcc	actcagtagt	gtcagagaat	480
	gtggagacaa	cgttggtgac	cctgtcgaga	tttaacagag	caaaacgggc	aatttctaca	540
	gcatttactg	ttagaaacta	aagctgggaa	actacaacag	acaagctacg	tgagcctgag	600
	agagaaagag	agacattatg	ccaaaagtac	agtaaccgac	taacaggcta	tcacatgtgt	660
25	agatgatcaa	acttcattac	atgaactacg	cgtcaaagac	taaactgcct	ttgttacaag	720
	aagtaagggt	acaaccatag	aataacctct	tgtagcattc	cagctccaac	tagtttctat	780
	gatacctaca	aactaagttc	taatcaaaga	agtttgagct	ttctaaaaag	ttacaatcag	840
	aatttctcta	atctgccatc	agatcccaac	aaccagctat	tctactaaac	caagttccac	900
	taaaacttca	actacagagt	ttacacgatt	aagcaaaact	caaagttaga	accatcaata	960
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<210> 268

<211> 982

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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40 <223> n = A,T,C or G

<400> 268

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45	aaaatacgaa	agaaaagcca	cccacaatct	taaacaaacg	gtgagaaaca	ctaatacagt	180
	tcaacagctc	ctccatcaaa	cagactccaa	agttgctcaa	cgtcaaacgc	caaagtggcc	240
	ccatgttcag	ctgtcgtcgc	ttcaggaaca	atcgcatcag	cttcttggtt	ttccccagct	300
	aaattctcca	accacatatt	atctccattc	attagattat	tcacaaaatc	atctttctca	360
	tcacttttgt	tacatgtgat	actattttca	caaacattat	ttttcttgag	tccaaggcat	420
50	gaaggaatta	aatcaacttc	tggcagacca	ttgagatggc	tgcaaccatt	gttaacagag	480
	aaggatcgag	gtcgaggctt	aaaaacaccg	nntttttgga	cgggtgttgt	aggaggggaa	540
	ataatgtttt	tttttttcat	tttagactta	caacacgaag	actcatgttt	tttactcaga	600
	tgggtgttcc	agtaattttt	gacatcatta	gcggtccgac	caggcaatcg	accagcaatc	660
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55	ctaagtcttc	ctctcttgat	acttggcttc	aaatagttca	accatcttag	tctacaactc	780
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5 ttatcaatac atagcctcaa gagactatct tcttcagcag tccatgcacc tttcctcaac 900
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 35 ggaacaattt tacttttttg agatacaaat ggaagtacga gttcctattt accctttttg 960
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 40 <212> DNA
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 45 <222> (1)...(982)
 <223> n = A,T,C or G

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 aatcaggaaa gagagtttat aaggagacat cataagcatg agcttggtga taatcagtgt 360
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15 <210> 271
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<212> DNA
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20 <220>
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<212> DNA
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15  <210> 273
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20  <220>
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45  <210> 274
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50 <213> Arabidopsis thaliana

<220>

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	atgtacttaa	atttagtaga	gagtgtgtga	ccttctcttc	atgttgagac	aaaaggaaat	900
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<211> 974

<212> DNA

35 <213> Arabidopsis thaliana

<400> 281

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40	caaaagaatt	tagcaaacag	aaccacacaa	acataaagt	cggtaaaaga	gagaaaaaca	180
	aaacacaatc	aacaatcata	tgatcaagtt	ctaaactaag	aaacactcag	acgaaagatg	240
	cggcttttgt	tactcacaag	ctaaaggctt	aaccttgaa	ctgtagataa	gcattttctt	300
	ggtcgaagtc	gggttatcaa	cagttagcaa	aatcctgcca	acttctccaa	ctttgaagct	360
	atgagacacc	accagttcat	ttttcgagtt	catcttcctc	ggtttctgaa	tgatcactgt	420
45	atacccttct	ttgttctccg	gcacaaactc	cgctccatac	gaaacctccc	atcccactac	480
	tcttatctcc	cacacgattg	tacatttctc	gtaaacaata	atctcgacgg	tttgtttagt	540
	agttggttta	acagtaattc	cggtagcgat	atcatcgtgt	gtgaaatccg	agttacactc	600
	gcaattatcc	acacttagtc	caccatactg	aaccgggaca	tggtcgggtg	atatgtactt	660
	gagaaggggt	tctgcagatc	ttgaaggacc	tgcgaaaact	agtttgctct	ttgacctttg	720
50	tgacataaaa	ggactaataa	ttctatagaa	cgcaaggtag	caccatggaa	cattgatgaa	780
	tatctgttta	gagacaaact	cagggttaatt	gtcttgagaa	agatgaagag	cttgcttagt	840
	agctaacctc	agctcagctc	taccaggtcc	tgagaaatc	ttaagatcat	ttacttgaca	900
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5 <211> 973
 <212> DNA
 <213> Arabidopsis thaliana

<400> 282
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 caagccaagt acttctccag cttctctact tcctctgtgc ttccaatgta tagaggaacc 180
 ctctgatgta tctcagtcgg ttggatatct agtactctcg aatgtccatc agaacccttc 240
 cctccagctt gttcaacaat gaaactcatt ggtgcacact catacaacag cctaagtttt 300
 15 ccatTTTTTgc tctttgcgtc acgagggtac ccgtaaattcc caccatacaa taaagtcctg 360
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 gggtccttaa gatcatcaat gtacttcttt agtttatcgt cccacatctg gtaattccct 480
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 cacacgttta ctatacacct ttgttcttct gacccaagag ctgagatctc gtcggagtctg 720
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 ctctctcca ccgcaactgg cagtcctctc tcctccgagg ctatgattcc cgttcttcca 900
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 30 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 <223> n = A,T,C or G

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 gttgataaga cttctacttc ctgacgatat tgagatcgat gtgtacatac gcaagcgann 180
 nacaaatact aagaagaaag ccgatacaag catgaatggt tccgctagca tgtatattgg 240
 tttgaatgta tagtacacct ggaagggtac gttgtgagtg ggaactacgt tatctttttg 300
 caacacaccc acggttcttc ccacaatgtc aaggatagag tatttgacct gcaactcttg 360
 45 attgactgta aagggcaaaa cagcagaagg gtcctttgat ccttcaggaa gcacgacttt 420
 gatagtcaac ttgttaacaa tagtttcgac gagcgggcac ccaaaggtaa agttcaagta 480
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 cacaagctcc tcaacaacag caaatggact gttattctcg aagtgaatga tgacaggtgt 900
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5 <210> 284
 <211> 972
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 284
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 aaccacccaaa gttttacatg aaacgaaaca ttgaacttct taagcataac agagacgaga 180
 tttagaaacc accacgaaga cgcaggacca agtgaagagt agactccttc tggatgttgt 240
 15 agtcggccaa agtacgtcca tcttcaagct gctttccagc gaagatgaga cgctgctggt 300
 ccggagggaat accttccttg tcttggatct tggccttgac gttgtcaatg gtgtcggagc 360
 tttccacttc aagggtgatg gtctttccgg tcaaagtcct gacgaagatc tgcatacctc 420
 cacgcagacg caacaccaag tgaagggctc actccttctg gatgttgtaa tccgccaaaag 480
 tacgaccatc ctccaattgt tttccggcaa agatcaacct ctgctggtcc ggagggattc 540
 20 cttccttatc ctggatcttg gccttcacgt tgtcaatggt gtcagagctc tctacctcca 600
 aagtgatagt ctttccggtg agagtcttca cgaagatctg catacctcca cgcagacgca 660
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 caagtgtctt tccggcgaag atcaatctct gctggctcgg tgggataccc tctttgtcct 780
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 cggcgaagat ca 972

30 <210> 285
 <211> 971
 <212> DNA
 <213> Arabidopsis thaliana

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 tcacctgctg tctgtttcag attggttttc aaaaccaata gaagaagata agttgagaca 180
 ttgtgctctt cctttctccc actctttcct cgcactctct tggacagacc ctttttcgga 240
 tctggttctt tgtgtaggaa aggctgtgaa cccctggaac ctccacctt acccgaacca 300
 40 cggctagagc ctgtcctcat cgatccttca ttcacgagag aagatccatg tgctgcaaat 360
 ctcttcgcca ttctcggacg gctgcgcaa ccactctctg ttttggcatc ctgaagagat 420
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 caagccatt tgctggttta ataactctaa agctttctcc ctccagacca ttgcctcacc 540
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 45 cctgactata gcaccatagt ctcccgaatc attggtatcg tgttactatg ggtaatgcag 660
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 gtgactaatc tgtcgttctt cgaacccttc gaggatgac tctcgattta ccgtgacctc 780
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55 <210> 286
 <211> 971
 <212> DNA
 <213> Arabidopsis thaliana

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<220>
 <221> misc_feature
 <222> (1)...(971)
 <223> n = A,T,C or G

10

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 tccaagctat ggattcgagt cacgttgctc tgggtgtctct cttgctaaga tccgaaggct 180
 15 tcgaacacta cagatgcgac aggaatctct ccatggggat gaatctcggc aacatgtcga 240
 agatgctcaa atgcgcggga aatgatgaca tcatcaccat caaggctgat gacggcggcg 300
 acaccgttac cttcatgttt gagagcccca cgcaagacaa gattgctgat tttgagatga 360
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 tgaggatgcc ttccaatgag ttttccagga tttgcaaaga tctcagtagc attggtgaca 480
 20 cagttgtgat ctctgtgact aaannnnnncg tgaagttttc tactgccggt gacattggaa 540
 ccgctaacat tgtgctcagg cagaacacaa ctgtagacaa gccggaagat gcaattgtga 600
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 25 aagaagaaga cactaatccc taagaccctt tttatatcca caatttctct tcattctaaa 840
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 aaaaaaaaaa a 971

30

<210> 287
 <211> 971
 <212> DNA
 <213> Arabidopsis thaliana

35

<220>
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 <222> (1)...(971)
 <223> n = A,T,C or G

40

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 aagttttctga ggactctaac aacccttgta tcgcgactgg atatgctggt acctacaaat 180
 atggaggaaa agcgttttaa gctgcagctt ctccatccgg tgcaagtcta gatgagtgcc 240
 45 ggcgagtagc tattaacgca ctcaaagtca ataattcatt gtgtacacac atgaaatgca 300
 cttttggttg agtatggaat ggtggaggcg gtggtggcca gaagaaaatg tttgttgcatt 360
 catTTTTctt cgatcgagcc gcagnggctg gttttgttga cccaaaccaa cctgtggctg 420
 aggttcgacc acttgacttt gagaaagcgg cnaacaaagc ttgtaacatg agaatggaag 480
 aagggaaatc gaagttccca cgtgtggagg aagataatct tncntacttg tgcttgatc 540
 50 ttgtttacca atatactctt ctgcgtgatg gattcggatt gaagccatca cagacaataa 600
 cgttagtga gaaggtgaaa tacggagatt acgctgtgga agctgcgtgg ccactaggaa 660
 gcgccataga agcagtatcc tcaccatgag gaaggcaatt ttgggtatTT gcactaaacc 720
 tcttattctt ttagtcttct ccaaaatcac cccaagcttt ttttgcttta cctcaaattt 780
 tttttatcgt caacatcttc cttactatca atttttgtta caataatcat ctagagaaaa 840
 55 gagtttcaat tottaatat cctataattt tatttttctt gtaatctaaa ctgcttaccg 900

5 catacgtaac ctctgtttct ttcttataaa atattttcct tgcgttaaaa aaaaaaaaaa 960
 aaaaaaaaaa g 971

<210> 288

<211> 970

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(970)

<223> n = A,T,C or G

<400> 288

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	cgatgagtga	acagataaca	ttgatttact	atatgaaaat	aagtgatgtg	attttttaac	180
	tccaattaaa	aaaaaaagaa	gtctttttaa	gcctagaaga	attcaaacat	tcgagaagag	240
	taagcaaaaa	ggagaaacgg	tgacagtaaa	acatgaaaca	aatcgagcag	gtcttaaac	300
	acaagaaatc	aagtcgactc	cggagagaaa	gcttcaatcc	cctcaccaaa	actatctgg	360
25	cgagataacc	tcaagctttg	ctagcaatgt	tggttgaaag	ccaatccaga	ccttcataga	420
	gcccttcacc	gctagtgtcg	catgtgcttt	ggatgtacca	ggggcggtgc	cggannnnnn	480
	nnaggccaan	nnnnncagta	atctcagcag	cattcatagc	gtttggaaga	tcctgcttgt	540
	tggcaaacac	aagcaatact	gcaccccgaa	gctcatcttc	attcaacatc	ctgtgaagtt	600
	catctctggc	ttcaacaaca	cggctctctgt	cattgctatc	aacaacaaat	atcagacctt	660
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	aaaccgtgaa	gctgatgttc	ttgtactcaa	cctctctccac	attaaaccgg	atggtgggaa	780
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	caagaccaac	cataaggatt	cgcctctcct	tcttggaaca	aagccgggta	aaaagctttg	900
	caaatgaaag	ccccattttc	cttttaactg	ttgatccttt	ggagaattga	aagggatcta	960
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<210> 289

<211> 970

<212> DNA

40 <213> Arabidopsis thaliana

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<222> (1)...(970)

45 <223> n = A,T,C or G

<400> 289

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50	ccaccggtca	aagcaaataa	ctctctgtca	atgacaatgg	agaaacaata	taaagatttg	180
	aggagtagga	acgatagtgt	caagtcgttt	aaggaggaga	ggactcctca	tggaccagtt	240
	cctgattatc	aaaatatgca	gcacaacaga	aacaatcaaa	ctggtgtgag	aatttcacac	300
	tcaggtccat	tgatgagcaa	cgggaacatg	gctaagtcaa	caatgcatgt	gaaggagaat	360
	gcacttctca	gataccctcc	agctagagta	aaccggaaga	tggtatcagg	ctcagttctc	420
55	tccaaaacat	tattagaacg	gcaagatcaa	ccagtcacga	accaaagaag	aagagatcgg	480
	cgagcataca	atagagctga	tactatggat	agtagacata	tgacagcacc	aattgaccca	540

5	tcttgggtata atcctagtga tagcaagatt tacatgtcag gaccattggt ggctcagcca	600
	agcagagtgg accagatgct tgaagaacat gacagacagc ttcannaatt caatanannn	660
	ncactcnaga caccacaagg ctgaaatcat tggaagagcc aaattattga gcgttctaaa	720
	aagccgaatc agttgagtca gatttgtcac tataatctat tggtttcata aattgagttg	780
	atgtgatcgg cttaaaggca taaaccacta ctgttcgtat agagttcgtc gtgtgtacat	840
10	atatacaaaa tccctttgaa ttcattattc cttctaaaat tgattgttgt tccgttgtaa	900
	ttatanntt taattgtaat atttgggtgc ctcagaatca caatctctct ttgcagctta	960
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<210> 290

15 <211> 969

<212> DNA

<213> Arabidopsis thaliana

<400> 290

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	tgatccaaga gggtaaagat ttggttaatt acgctctcat caatgccgtc gccattcgaa	180
	aaatcctcaa gaaatatgac aagattcatg agtctaggca aggacaagcg ttaaagactc	240
	aggtccagaa aatgcgaata gaaatccttc agtcaccgtg gctctgcgag cttatggcgt	300
25	ttcacatcaa tctgaaagaa tctaagaagg aatctggagc tactataact tctcctcctc	360
	ctcctgttca tgcattgttt gatggttgcg ctttgacttt cgacgatggg aagcctttac	420
	tttcctgcga gctctctgat tccgtcaaaag ttgacattga cttgacttgt tcaatatgcc	480
	tggacacggg gtttgatcca atatctctaa cctgcgggtc catatatatgc tacatgtgtg	540
	cttgctctgc tgcacagta aacgtagttg atggcttgaa aaccgcagaa gcaactgaaa	600
30	aatgcccgtc ttgccgtgag gatgggggtt ataaagggtg tgttcacttg gatgagctca	660
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	tatgatatag ttgatttgt ggcttcttaa gtgagattct tgattttgat aataagatag	840
	taaaaataat cttaattttg atttgctttc ctctgtgagt gtgtttcctt gcacagagag	900
35	tgacgatttc tttgtgaaaa aactgaaaac tcttaagcat taaatatggt ttataagttt	960
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<210> 291

<211> 968

40 <212> DNA

<213> Arabidopsis thaliana

<400> 291

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	tccagcatca agtctggtga acgtgcgctc ttgcatgttt gctgggaatt tagcatatag	180
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	ctgaagttgt tggatttgat gaaacaaagg aggaacgttt tttctttaag atcatttgct	300
	gattcttggt tctttacctg aacactccac aaccaagctt ttatcccaag ctctttgctt	360
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	aaaggttttg tgcagcacac agaaggaaaa tggatggggc tctctgttta aggaggataa	480
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	ggctctaaaa caaagagcct taactggttg atagtgttat cgcaatggtt ggtttgctt	660
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	gagagatata aacataaaca gcaaaagaga gactcataag catcaggtcc ttgacgtctc	780

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	tcaatgttct ctggatcact ccttcattct cttctggtta tttctgcttc cgacaagaca	900
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 <211> 968
 <212> DNA
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	tgacacatca actgcagaat caggttctga agctgaagat attgttgtgt ctccaaaagc	180
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	caaagctgtt gacgccacct ggaagggtta acccaccgcc atcaaccggg ctcccttctaa	360
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	agtaactttc atggcttttg tgatggcgat tctcacattc ttccgtacag tatcaaaccg	480
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	aattggagcg ctccagtcaa agccatctga gatgccttat gagaaagagg aactgcttaa	660
	tgcagctgtc tgccgtgtag acgcccttga agctgagctc atagccacta agaaggctct	720
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	tcagcaccag aagaagaata agaggaagca aatgttctgt ttctagaaga tgaagaagaa	840
30	gaatcaaag tttgtttcta gaagaagaag aagaagaaga ggcattctctg ctttctctct	900
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35 <210> 293
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	aggatacaac agaaagaaag tactgagaaa ttgggcaatg agaaagccgc ttattttaatc	180
	ttagcattat tactgtgact gaagcaaaac catattttcc ttttagaaat ttctcactga	240
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	tagacatcaa ggaccttgcc taacttagcc tcctcttctg caacaacggc ttctgtctgtg	480
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<212> DNA
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10 <212> DNA

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<400> 296

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	ctctcttcag	cttcttgtgt	tgtgacgcac	actcgtcgca	gtcttgagat	atggccgccc	180
	cagttttccac	cgtcgggtgc	atcaacagag	ctccgttgag	cttgaacggg	tcaggatcag	240
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	tcgcacagag	caacaagaag	agcaacggat	cattcaaggt	gttggctgtg	aaagaagaca	360
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	ctcaccacgc	tgtccttagc	tcatacgaat	acgttagcca	aggccttagg	cagtacaact	540
	tggacaacat	gatggatggg	ttttacattg	ctcctgcttt	catggacaag	cttgttgttc	600
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40 <223> n = A,T,C or G

<400> 297

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	cgtccccat	gcccaccacc	gcttatggcg	tctccaccgc	ctttgggttc	atcaccacca	420
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	ccaccatttg	gagacgaaac	gccgccagtg	ttctctcttc	caccgcccgt	ggatgagttt	660
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5 tacgtagatt taacgaaaca attttgtttg tttgtaaaca acgtagcaat ttttttttc 900
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15 <221> misc_feature

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40 <212> DNA

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5  acttttccact gatagaaagc gaggaagaca agttatggaa ggctgatggt agagaaacga      540
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   aagagatagc tattgtgaca cacagtgggt tcttgtnnca cacattgaat gcactacaaa      660
   acgagtgtca tccagatggt aagaaggaaa tttgcggcca ctttgcta atgtgagctac      720
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   tgcagttggt ggtatggcta aaggctccgg gatgatccat cccaatatgg caactatggt      180
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	ctaaccaaaac	cctagctccg	ttcttcgcgc	ggtctctaat	ctccgcgcga	aatttcccc	420
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	ctcttacatc	tttcttttta	taatcttttg	ctcccagat	ttttggtaaa	gtgtcagtct	180
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	acagaacaga	cgacagatat	ctttctccga	agctcgcatg	aattgtcaca	atgagtttgc	300
15	ctttattctc	tggcattttc	gccagtctaa	ttgctgccac	gggtgtagct	cccgcagata	360
	tcccaacct	gagaccttct	ttcaatgcca	attctctagc	catctttata	gcacctcac	420
	tactaacctc	aagaacactc	tccataacat	ccatatccaa	gatttctggt	ttgaatccaa	480
	caccattgcc	tgtgatagca	tgtggacctg	gtttgccacc	gttgagtatg	ttgctttcag	540
	caggctccac	tccatatatc	ttgacattgg	gggttttaga	tttaaggtat	cggccaacac	600
20	cagagactgt	gcctccactg	ccaattccca	tcacaaatat	atcaacattt	ccaagtgtat	660
	cttcccaaat	ctcaggacca	gttgtatcaa	aatgaatctg	agtgtttgca	ggattagcaa	720
	actgttgaca	catgaaagca	tcaggagtac	tatcaaggag	gtcataagct	ttcttaacag	780
	ttccacccat	tcctttggct	ggatcagtga	gaacaagctc	agcaccaaag	gatctcatcg	840
	tgactctcct	ctccaagcta	gtgtacgaag	gcacgtcat	tataatcctg	taccctttca	900
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 30 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 35 <222> (1)...(962)
 <223> n = A,T,C or G

<400> 306

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	atacacgggt	atccagactt	gctgttcaac	caaaaatcat	gggttgcat	gaacacgggt	180
	atctttctgt	tgagaaattg	tcagtggta	ttggatttat	tagatgcttg	ggccccaatg	240
	ggaccaaaaag	ggaagatccg	tgacgaaact	gggaagatac	tgacacctat	ctgaaaggca	300
	ggccagcatt	tgaggccgat	gatcaatcgg	cgttgatata	tctcttgctt	tcgcagnnnn	360
45	aaaaatggat	agagaagggt	tatgtggaga	atcaatacta	cttgcaacggg	ttttgggnng	420
	gtttggttga	caggtatgaa	gagatgatag	agaagtatca	tccaggattg	ggcgatgaga	480
	gatggccctt	tgtgacacat	ttttagggg	gcaaaccgtg	tggcagctat	gctgattacg	540
	cagtcgatag	atgcttcaag	agcatggaga	gggcttttaa	ttttgcagat	aatcaagtgc	600
	tgaagctgta	tgggttttagc	cacaggggac	tgttgagtcc	caagattaaa	aggatcagaa	660
50	atgagacact	ctctcctctg	gagtcagttag	acaagtgtga	tattcgaaga	atgcacatgg	720
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	acaggaaaca	tatagatgat	atacaaatac	tctcacaac	acaatgcaat	ttgtttaccc	840
	tgcacttggt	ccttgtgctt	cattgtttgg	tctcatgaag	ataagtttta	actgtcaaat	900
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55	aa						962

5 <210> 307
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10 <220>
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 <223> n = A,T,C or G

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 agcggggaaa acaaaatata aaaaggctcg gaggtctact atgagaaaag cttcgagatc 180
 aatctgaatc agagtcgaca ttcgctgaag acctaacgga ccgacgtatg ctttcttgat 240
 20 actcgtaatc ttctcatct tctctttttc tcttttctact aagcattcct ttcttgacca 300
 gaagattctc cagcttcgtc gtggagaaat cgtccttggc acctagatct tgaaacccga 360
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 caagcttggt gacgaagaag ggagcggttct cagcgtccat cttaatgaac tttgtgtcca 480
 catgtctagg agcaagggtc ttcaaagtct tgtccattat cttgcagcga tagaactcct 540
 25 tgtggtagaa gtgacatata actttttcac tccttgtgac ttctcccaag aagtcgcctt 600
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 gaacttcctt tttataatct ctagcagctg ccgccaatac attcccgaat gccagattcg 840
 30 agagggtcga cttcaccgta tccggatcca tctctttacc aacnnnctaa tccaactcag 900
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 gg 962

<210> 308
 35 <211> 961
 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 tatctccata gacacttctt ttcttctcta tgatacgaaa cacgtctgca ccattgaact 180
 taaacaacaa caataaacac agtccactcg ctgtaatcga ataatacagc tggcttgaaac 240
 cgcggtatctt gcaaaatgga gcactaaact gnnataaaaa ccagactaac cagtaatgtg 300
 50 atgtgatgat caaggcttcg gaaaggaaca atcgctgtag acttgttatg ctttgatctt 360
 aaatacaatg ttgcgacagt ggttcttcgg gtgtatgggt tagcgtaaag gatggttata 420
 tttctcttgt actccagttt ctctcttttg tgttgcttat aatcacaaaag ngtncttttt 480
 gctttcaagc attgcaccgt ctttttagagc agtgtgtgct tcgttctctt gtcctagagc 540
 tgacaaagct acagcttgga gatacgatgc gatatgcaa gcaggagata tgacttggtg 600
 55 ttgcattgca ttgttttagtg cttctctagg catatcattc attaggtaac acagactctg 660
 tcttgcatga acagttgggg aaccattgt acctacctcg atgaactgag aatagcattc 720

5 gatggccttt gcaaagtctt tatgtcggaa tgcagaatcc ccctttttct tgaagannna 780
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 atccttatat ccaagcttct caatgatctc atgtatggca gttagatctg atcttaggca 900
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 a 961

10 <210> 309
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 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
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 <223> n = A,T,C or G

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 ctccggcaaa acttagaaga tccggcgagt aatctccgta actggacaaa ctccgtcttc 180
 25 tcaaatccat gctccggctt caccctcatc ctccccggag cttagctgtaa caacggaaga 240
 atctacaaac tctcactcac aaacctctct ctcccgaggct caatctcacc gtttctatca 300
 aactgtacaa atctccaatc cctagatcta tcatcaaacc agatctccgg cgtaatccca 360
 ccggagattc agtatctcgt taacctcgcc gtactaaacc tctcatcgaa tcatctctcc 420
 ggcgaaatca ctccgcagct cgctctttgc gcttacttaa acgtaatcga tctccacgat 480
 30 aacgaattat ccggtcagat tccgcagcaa ttaggtctat tagcgaggct ctccggcgttt 540
 gatgtgtcga ataacaaact ttccggtcag attccgacgt atttgtcgaa taggactggg 600
 aatttcccgga ggtttaacgc gagttcgttt atagnnnnta aaggattgta tggttatccg 660
 ttgcaggaga tgatgatgaa gagtaaagggt ttgtctgtga tggccattgt tgggattgga 720
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 35 attactgaga agaagattgt tgaagaagaa ggtaagatta gtcaatctat gcctgattac 840
 taaacgtaag attaaatttt tcttaattaa ggattttgat tgtaattac ggctttgaag 900
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 a 961

40 <210> 310
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 <212> DNA
 <213> Arabidopsis thaliana

45 <400> 310
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 gcaagaggat gttatataca catgactgat atagagagaa gtttccgaat ataaagtata 180
 caacgtaatg tactaatagg gatgtttctt taatcggttg ctccgagtga agtaatccct 240
 50 aaaaactggt tactttgttc cgtggagaaa acaagcctta atactgtaca ttctgtttct 300
 tccataaccg cgccagacct gtacacttag ttaccctttg atgggtgagtt agagttccca 360
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 ctccctcgga ttttcgataa gatccattgt gtaagaccaa tctgaatcag gcgcgggttat 480
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 55 ggagacttct ggaaacaatt gcttttgttc cttcatagaa cttggagtct gcattgtatga 600
 cgcaagggca gactttcctt ggatctctgc atatgccaat gaagcaactt tcccactgtt 660

5	gaattttctcc	catatttttac	cattgaaagt	ctgttggaag	ggaacgatgt	gcaatggaga	720
	gacccatgttg	ataaaagcgt	gacccatgtt	gcattttattc	tgtatccaga	aaaaagctta	780
	aagtctgtcg	gcaagcatag	aaagtcatag	tctcccttgt	gcttttcgtc	gatttcagcc	840
	accagcatct	tgtaagtgt	cttggttggg	atgtttttga	tgattaatgt	agttcggatt	900
	tcatctccac	tagcaatcct	atccaagtcg	atatgatatc	tcccaccatc	tatgaactga	960
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<210> 311

<211> 960

<212> DNA

15 <213> Arabidopsis thaliana

<400> 311

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20	ctgtctgtct	ttgagttggc	tcatagactg	tgtaatgaaa	cttttacctt	caaaagtttc	180
	tgatgttcga	tggaatgcact	ctgcaacggg	ttagcctgtt	aaaggaaagg	agtatccacg	240
	aagggtactg	gagtcactc	ccgattcacg	agccaatgcc	acacgaccgg	ttcttgcaac	300
	ctcacatata	ccatagggct	ccaataacct	ttgcagtgc	accatcttgt	ctagatcccc	360
	agtaagctgc	aaagtaattg	tgtgatcaga	tacgtcaaca	gcttttagccc	tgaaaatact	420
25	agcaatgtcc	aggacatctc	ttctagcagc	agcgttcacg	gcaatcttaa	tcagcatcag	480
	ttctctttca	gaaaatggca	aatgagtaag	atcatggacc	tcatgcacat	ctacgagttt	540
	gtaaagtgtg	tgcaaccaatt	tgtctgaccga	ttcatctgtt	gcaggtataa	ctgttgtaat	600
	gcgtgaaatg	cccttggttt	cagcatgtcc	tacggccaag	ctctggatat	tgtatcccct	660
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	gagaatacga	tgtaccttgg	ggcctcaaaa	tggtcacaac	ggataaacat	ctccccctgc	840
	tgatgtttcc	ttttgagggg	caatggctcc	ttttttgcta	cttcgaagaa	cactaacagg	900
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<211> 960

<212> DNA

<213> Arabidopsis thaliana

40

<400> 312

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	agagaagaca	agaatcaatt	aaagagaaaa	aaagatgaag	aaacagggtt	tgggtgtttta	180
45	gtcaaggagt	agtcctaagt	cttttttttag	ccagttcctc	caagaacacc	ctttagcttc	240
	ttgactgtag	tggtcgtaag	gaaagtagta	cccacgacga	gttcagtggg	aagactgtta	300
	gcaaagagt	cgaagtcgag	aatctgcaga	cccggattag	cgctgttgaa	agtgacaacg	360
	gctgaagcag	aggattttcc	cgcgttgatc	tggaatgaa	gcaagccctg	tgggaaaacc	420
	atgacctgtc	ctggtttgag	tgtctgcacg	tagacagcgt	ttgccgagga	gacaaaccca	480
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	cccggaact	gagctgcgaa	agcgggtgtg	acagcggcgt	tgatgatgtt	tgtagtgttt	660
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55	gaggcattgg	atagagcaaa	gagaagagat	aagaggaaga	tagtacgcaa	cattttgaat	840
	ggttggttta	agaggaagat	agtactctac	ttttcttttc	tttttcccta	ctcttctcac	900

5 tcctctcggg ctcgggtggt tatatagaga ggtgtgggat aaactgtgtc ggacgcgtgg 960

<210> 313

<211> 960

10 <212> DNA

<213> Arabidopsis thaliana

<400> 313

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	aaattcgtta	caacatcacg	aatctgtaat	attdtctatt	cgtataagca	aaatgtacaa	180
	ttcacatcac	taagacagat	tacttaacga	agacgtttag	ttaccttatt	tttcttcgtc	240
	gccgtttcac	acactaacac	tacaactagt	ggtaaacgta	tacttaacgg	cgttgtctcc	300
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20	atgatacttc	ccggtgataa	aagtcccaac	cttccacctc	actctaccat	cagcacgaat	420
	gatcaacaaa	acgacaccgt	tatctttatc	ggtgtcaaga	ctaacgccgt	taaaaggagc	480
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25	ttggaagtgt	gagggtgagga	ggttccggtg	attgccggag	acgttgaagg	cgtagacggg	720
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	ccggcgagag	tggccgtggt	tttcacagtc	tttcatggtg	gttggttttt	ttctttctcc	900
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<211> 959

<212> DNA

35 <213> Arabidopsis thaliana

<400> 314

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40	ctggcacaaa	ggtcacagca	gctaagtcgt	gtccccata	gtcagtatcc	tgtccagcaa	180
	tcttctaaac	aaccttttag	tcagattcca	caactagtag	cacaaccagg	tccttcttct	240
	gtgaatcctc	ctcctagatc	ccaagttaaa	gtcgaaaacg	ctccattcca	acgccagcaa	300
	gtgggtccag	cttccaccaa	cataggttat	agtagtcaga	attcagttcc	gaataatgct	360
	atccagccat	ctcaagtacc	ccaccaagca	ttaccaaatt	ctgtgatgca	gcaagggtgg	420
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	aacagaccat	caaagatgat	gaaagtggag	gataggagaa	ctacttcaat	ccctggagggt	540
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	gatgttcagt	caacattgct	ccagcaagta	atgaacctta	cgccagaaca	gttgagatta	660
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	gatcaaaaag	gatatttttc	cgcatacaaa	tcacatagaa	aagaagaagg	ctctctcacc	840
	tgaattgagg	tgagtgtatt	tacgattagt	gtagcattta	tttgtgtctga	gtttgtctta	900
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<211> 959

5 <212> DNA
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<220>
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10 <222> (1)...(959)
 <223> n = A,T,C or G

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 cacacgttga gacaattcta ccgcgacagc tacatcaccg gtaccgtaga tttcatcttc 360
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30 <210> 316
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 <213> Arabidopsis thaliana

35 <400> 316
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 gctgagcaat atcttcgtct gtacaaagaa cccatccctg ttaccaact tgtaagggaa 420
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55 <210> 317
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 <212> DNA

5 <213> Arabidopsis thaliana

<220>

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<222> (1)...(957)

10 <223> n = A,T,C or G

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15	tatagggcca	tatatttctc	tttagtgatt	tacaagtaat	caggcacgta	agnnngtttc	180
	catagtcgtc	caggaaaggc	ttcatcgtct	gattcgcttt	catcatcaga	actctctatc	240
	cccagcaaat	agttgacaac	ctggtgagtt	gttatgaggt	cgagtggcct	gttgccctgat	300
	ttcaaccgac	attgtttgtt	cagacatctc	aagttttcgt	gccaaacaat	agaatcacag	360
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	aagtgaagg	caaattgtga	ttgccacaga	gagttctcat	gcgttgcttg	gttccaagag	540
	cgagacactt	gagctgagga	aactaaggac	gatatctcga	ggaaactgaa	gatgtgaata	600
	aggatatctt	gtggaagtga	aggtatatct	atatcttctt	cctcacggtt	cttactacgc	660
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25	gggagcaccg	cttcacgct	cttcaggaga	aggtagcg	ctgaaacagc	agctgatgta	780
	ttgatgtcgg	gaagaagacg	aaaagcggag	agggtatctt	ggaagatcaa	agctttgaca	840
	tttttggtg	atagagagta	agcaagattc	aatatggagc	ttagttcatt	gcaagcaaat	900
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<211> 957

<212> DNA

<213> Arabidopsis thaliana

35 <400> 318

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	gttaaggcga	gtagaacatc	ataagccttc	tttgaaggac	ggtaccagat	catctctggc	180
	agaatgttac	cgacttgggt	tgttttgttt	ctcatttctt	cagagctttt	acatgaaatc	240
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	atcagttacc	attagtcctt	tgtaactcct	catctctgat	tgctctctct	tctcaagcct	360
	atctatctct	tcacgtttct	tcttctcct	cagatgttgt	ttctctctct	ccctttctgc	420
	ggcatttact	gcttctctct	cggctctcag	atcaggggtt	ctttcaactt	ttgttttggt	480
	cagtctgtta	actatttcat	tgactcgctt	ctccactctg	atagtcggga	ccatctttga	540
45	attgtgga	ccaacttgac	caacatccat	ggaggcagtt	ttcttcaagt	tggaaccag	600
	agtgtacaca	acatcaacgt	tggtcacctt	gttgccctga	atggagttag	ctttcacaag	660
	ctgagcacag	tcctccagca	caccttcaat	aatgtcatca	aaactttggc	ctctatgaag	720
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	gccgtacttg	atgagctcct	cgttctcgaa	cttatcaagc	cccatgaaga	tggtgtagtc	840
50	gccagcatca	ggacgggcct	tgaagtagaa	aaccatcgct	tcgattcgag	aaacgaatca	900
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<210> 319

<211> 956

55 <212> DNA

<213> Arabidopsis thaliana

5

<400> 319

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	tcgcttgggg	attttccttc	taatgaggat	cttgcaatgg	ggggaagatc	gtcgctttga	180
10	tgaacagcgt	ggaaatatag	tgagactaat	cattttctgg	actcttcagg	ctgtgtgggt	240
	ttggacgggt	agcttacctt	taacacttgt	taatgcaagt	gatggtgggt	gatctcttaa	300
	accgcgagat	gttatcggtt	ggactatgtg	ggttttcggt	ttcttgattg	aagctgcagc	360
	tgatcaacag	aagctatcat	tcaaaaactc	tcctgaaaac	agaggaaaat	ggtgtgatgt	420
	tgaggtctgg	aagtattcaa	gacatccaaa	ctacttcggt	gagatgttac	tgtggtgggg	480
15	aatcttttgt	gctgcacgcg	ctgtgcttga	aggtgcagag	tatcttgtca	tattcggacc	540
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	tttgttgtat	gtgtgcaaga	aagttagggt	agactccaaa	acagcaaaga	gaaagaagta	900
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<210> 320

25 <211> 956

<212> DNA

<213> Arabidopsis thaliana

<400> 320

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	tttcggcgct	aggaaagatt	cctttgtatg	catctaactt	tgcaagatca	tcaggttctg	180
	gtgttgcttc	taagagttgg	atcactggac	tcttagctct	tcctgctgca	gcttatatga	240
	ttcaagatca	agaggttctt	gctgctgaga	tggaagcgaac	gtttatcgct	atcaagcctg	300
35	atggagtgca	acgaggactg	atcacagaga	tcatttctcg	attcgaacgc	aagggattca	360
	agctagttgg	tatcaaagtc	attgttcctt	ctaaagattt	cgcacaaaag	cattaccatg	420
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	ttgccatggt	ctgggaagga	gatggtgtga	tcagatacgg	acgtaaaactg	attggagcca	540
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40	ggaacataat	ccatggaagt	gatggaccag	agactgcaaa	ggatgagatc	agtctgtggt	660
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	actaaatccc	tcttcctctt	gtcttttgaa	atcaaatcac	attgggtttt	cttttctttt	780
	cttaccata	caataaaaaac	aagaaacagt	tgttacggat	acaaacacat	tccgggtttt	840
	gatttttccc	cgggtgaactc	agtaatcaga	gcataagcaa	taagtatggg	atgactagta	900
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<210> 321

<211> 955

<212> DNA

50 <213> Arabidopsis thaliana

<400> 321

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55	tcaaaatttc	tactttatgc	ttgaactacc	ctctgttcc	cttgactcaa	cacctaacat	180
	tgtcttcact	tgaagatcca	cctgaaagaa	acaccgttcg	tcttctcgga	cataactcac	240

5	acggccattc	atctgctcca	atagtttccg	cgaaagctta	agccctaaac	catcaggggt	300
	gacccatcca	tctcgagtct	caaacatata	acttagcatc	tctgaaggaa	gtcctttccc	360
	cggatgtatc	atcctgaact	gtagatggat	atagcgacca	ttgtcacgtg	aaagctcctg	420
	ccctgggtgag	atactgatac	ctacccaact	atgttgaaac	ggcgcatgat	tcacaatggt	480
	gcgtagaaga	tcagcaagaa	taagctggag	cttgactctg	tcaccattga	gaggcagagt	540
10	tttgatctcc	tcggcgactt	caacccttag	ttgtgagttc	ctctctctca	atataatcat	600
	cacttggcta	atgatttgtt	ccaagatggt	ttcaagtcga	aactcttctg	tttccaattg	660
	caacttgcct	tcctcaatgc	ttttcaagtc	cgtgctttcg	attattgtcg	tgatttgctt	720
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15	agttaattcg	ttgaggcttt	gagcgtcttc	tttcagttct	gggcagctca	accccgattc	900
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<210> 322

<211> 955

20 <212> DNA

<213> Arabidopsis thaliana

<400> 322

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	actttctatg	ttgccatatt	aaacccacat	taagcaaact	aaagaacgtc	attacatcaa	180
	taccatattt	catttggttc	cccacgaga	tgattagaga	tcacatgcat	ccgaaaagct	240
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30	ctattttgtt	cttcatctgc	tcacataact	ctgctttttt	cttctccaaa	tgctcctcca	420
	ttttcttgag	ctcagcttcc	acagctgctt	tcttggtgtt	ctcccatgat	ccaattgaag	480
	aaagcttctt	ctcagctttg	ttctccactt	tgcatttctc	agcctcttcc	caagctttga	540
	taagtgcacat	cctcttctct	gtctcaactc	tagccagaac	agcatctcga	ttactgatc	600
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	caacaactaa	agattacaaa	gagaatcaaa	atgattctga	actctctggg	tatttaagag	900
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<211> 955

<212> DNA

<213> Arabidopsis thaliana

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	gggtgtttcag	ccgacgggtt	cacacagacg	tttgagattg	accatctcca	gtatgaacaa	180
	attgtatctg	ttgagggtta	ctacgactgg	aagaccgggtg	tgatgcaagc	actccaattc	240
	aaaaccaacc	tcaagacttc	agaattttatt	ggatatcaaa	aggttactaa	gttttcactt	300

5 ggagtcgatg gaaaagtcac cgttggcttc catggatctg cttggcgtag cctccgatct 360
 cttggtgcat atgtaaagac tgctcctacc aaatcagaac tccaggggtgg cataaccgga 420
 ggcgaatatt gggatgatgg tcctaatttc gacgggtgtaa gaaaggtgta tgttactttt 480
 actgaaactc atataaggag tatgaacatt gactatgacc aagatggcca agtgggtgaca 540
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 10 tatatgacat ctgtggaggg tacatacgac catatcagtg agggtaacta tttgnnnctt 660
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 ggtaccaa atgtgttgg gactaaagg aatgttatca gtgggttcca tggaagagat 780
 ggtgggttct ttgatgctat tggagtatat ttctctccaa tgatatcttc ctaagctaca 840
 gaagtttgtt catgcatggc ttcacgtatc ttttactact ttaaaatact tatcgattcc 900
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<210> 324

<211> 955

<212> DNA

20 <213> Arabidopsis thaliana

<400> 324

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 25 ccctaaaaag aaacttggga taaaagaaaa cgaaaaaaca gagatatcaa tgttgtatca 180
 actgagagag aagcttgaga agaaaagaaa tctccttctg tgaaaactca ggtcttgtaa 240
 tggcaacatc atcatccttg gaaggatgat gtaatgggtg tgatgatggg ggtggtctta 300
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 35 caagaaactc tcttcatag acggtctgat catcaaatat caactcgata ttgaacccaa 780
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40 <210> 325

<211> 955

<212> DNA

<213> Arabidopsis thaliana

45 <400> 325

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 50 ttcgatagct tctctcagcc tcactagcgc ttctttcgtc cgcaccaatt gctcgcattg 300
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<212> DNA

<213> Arabidopsis thaliana

15

<400> 326

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	cccctttgat	ccaaggatgt	tcaagaacct	gtgcagccgt	gattcgtctc	ttcgggtctt	900
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35 <211> 954

<212> DNA

<213> Arabidopsis thaliana

<400> 327

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 <212> DNA
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10 <220>
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10 <211> 952

<212> DNA

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<210> 332

<211> 950

10 <212> DNA

<213> Arabidopsis thaliana

<400> 332

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<210> 333

<211> 950

<212> DNA

<213> Arabidopsis thaliana

35

<400> 333

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55 <211> 950

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5 <213> Arabidopsis thaliana

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	gattataata	aggcatgcaa	taataattac	gttagtcgac	ccacgtataa	gttggtactta	900
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25 <210> 335

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30 <400> 335

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<212> DNA

25 <213> Arabidopsis thaliana

<400> 341

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	gaggagacga	aagctctgtc	gtggttgcat	tgtgagccct	gacctgtctg	ttcttaactt	420
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	aatgagaggt	cccaagaggg	catcaaagat	ccgcaagttg	tttaaccttg	gaaaagagga	540
	tgatgtgagg	aagtacgtta	acacttacgg	ccgtaccttc	acaaacaaga	agggcaagaa	600
	ggttagcaag	gctcctaaga	tccagaggct	tgtgactcca	ttgacctccc	agaggaagag	660
	agctagaatt	gctgacaaga	agaagagaat	cgccaaggct	aactctgatg	cagctgatta	720
40	ccagaagctt	cttgcttcca	gactaaagga	gcagcgtgat	cgccgtagtg	aaagtttggc	780
	caagaagagg	tctagactct	cttctgctcc	tgctaaaccc	gttgctgctt	aaactgcctc	840
	aagattaaga	aatttctttc	tctctagttt	gtttctggtc	gtattttaagt	tgctccacag	900
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45 <210> 342

<211> 949

<212> DNA

<213> Arabidopsis thaliana

50 <400> 342

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	ggcaatccct	tagcatctac	acagaccaca	ttcgacagtt	tcagtcccaa	ctgtgcttct	360

5	ctcaccttat	ctatgtatcc	tcctcccgat	gctattgcc	cctgaataat	gggaagagaa	420
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	tcggcgctcat	ggatgtccaa	cacgtcactc	tctccttgat	accacaacac	cgccttgatc	540
	tctccgccgc	atttcctact	ctcctccgtt	ctcttgacca	tcctctcgta	caagtggctt	600
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15
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 <211> 948
 <212> DNA
 <213> Arabidopsis thaliana

20
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 <223> n = A,T,C or G

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	gtgcaaaggc	tgaagcatct	ttatttgtaa	cagaagcaaa	cgaaaacggt	tccttaagaa	180
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	tctgcaatct	ctgtctccca	cctatctcca	ttctcaagaa	gcttctcttt	gtcatacaga	300
	agttcctcat	gtgtctcggt	tgcaaaactca	aagnnnnnnn	nnnnnacgat	tgcatacaaca	360
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	gtggttctgc	ggcttccatc	ttcccgcctc	tctgcctcta	ttgtgattgc	ttgagctgga	480
35	catacagctt	cgcagagttt	gcaggcaatg	cagcggttct	ccccagttgg	ataccttcga	540
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	gtaacttttg	gatcaaagaa	gtacttgagg	gtcagtgaca	aacccttgac	catttcagtg	660
	agaaataggg	tgttcatgct	ccgttcaaag	acagtactcc	agtccttgga	gatctcttta	720
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	agagcactga	acgacctgcg	agctagtagc	gaagccatcg	atagaactca	aaatatcaaa	900
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45
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 <211> 948
 <212> DNA
 <213> Arabidopsis thaliana

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<211> 947
<212> DNA
<213> Arabidopsis thaliana

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cgacagaaac agggaaatga aaaaccaacg attgtacatg aggagcgatg aagaaaacca 180
gactcaagat ttcacatttg tttatgtgtt tttgactcac caccagaatc agaacatgta 240
25 gacgacactg tcgtggatcc tggacttctg gttctgtgca acacattcag atatccacat 300
aagggttcctg atctcctgct ctcttaacct catatacgca aagaataccg cgtaatggaa 360
ctgctgctca aaggctaagc aaagccttct gacttcttct tcataaaatg ctttgtcgag 420
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aatgctgttg atagtgatat tcactgctct tctatcggcc tcaaaggcca aaaggtcaga 660
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taagcattca gaaaagtatg gagccaaagg agtatccaca agcaccaacc ggtagagtcc 840
35 ccgcatgttc tgagcaactg ctagtgtagc aatactgtca aacatgccta aagggtgaca 900
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<210> 346
<211> 947
40 <212> DNA
<213> Arabidopsis thaliana

<220>
<221> misc_feature
45 <222> (1)...(947)
<223> n = A,T,C or G

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aaaatcgagc aatattctac tcaatgataa actagaacct cgagtctcgg actttgtgtc 300
tgcaaagctt cttgttgacg aagatgctca tgttaccacc gtggtagctg gcacctttgg 360
55 ctatcttgct ccagagtatc tgcaaaatgg gagagcgacg gagaagtctg atgtctacag 420
ctttggagtt cttctccttg agctcgttac cggaaaaaaga ccaacagacc cgatattcgt 480

5 taaaagaggc ttgaacgtcg tcggatggat gaacactgtg ttgaaagaga atcgattaga 540
 ggatgtaata gacaagagat gcaccgatgt cgacgaagag tctgttgagg cattgctcga 600
 gatagctgag agatgtacag atgctaaccg ggagaacagg cccggctatga accangtggc 660
 tcagttgctt gagcaagaag tcatgtcacc ttcttctggg atcgattact acgatgattc 720
 tcattctgat tactgttagg gacttatgca cggctaaaag taaccaggag atcattagcc 780
 10 tgcgacgggt ttgttgttgt tgctgctgcg ttatgaatgt tgtgatttgg gagcgaggga 840
 ttgttttgta tattagatat gaagggtggag tcaagattat tgagcgtgca ctgttcttgt 900
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<210> 347

15 <211> 945

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1) ... (945)

<223> n = A,T,C or G

<400> 347

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 cataattggt tcagactaga aaatggcatt tgaatgtcag gattcgattg cagtttccta 840
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<210> 348

<211> 945

<212> DNA

45 <213> Arabidopsis thaliana

<400> 348

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 50 aatctgctac agcaaagaca tacattctct acactcaaac cactcacag atgctctgca 180
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5 tcttccctgc ctcttgttcc tcaccctttg tcgcccacac cttoctctga gcatcataca 600
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10 tctccctcaa tgcgacctt gtcctcatcc cgaacatact cggccagaaa tcaagaagaa 900
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<210> 349

<211> 944

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 349

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caaaaacgct ttgaagtcgc ttgtatcgaa ctacacttct tgggatttgg ttggagagat 180
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gtcgaatttt gctgatcaag tgactggтa tctgccgtgg cagaggcaac aacaagaatg 660
35 acttttagtt ggtttctgat tcagcagcag gtgtacattt tatttacatt tgacaaggat 720
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40 <210> 350

<211> 944

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1) ... (944)

<223> n = A,T,C or G

50

<400> 350

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55 gttccacttt таттаaacct ctcataaaac acaaacca tcaccaagaa gatgaacaca 240
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	aaagctctct	ttggtgaagc	aaagtgaggt	ccgtacacct	ttagcaccat	ttttctttct	900
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<210> 351

<211> 944

<212> DNA

20 <213> Arabidopsis thaliana

<400> 351

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25	atagaagaaa	gtaaaagttg	aggaaactatc	gttctcagaa	acaaattgaa	gacttcaaat	180
	caaacataat	aaacaaagaa	cacatgagaa	ctgtttcaga	atgagaaaaga	gaccatagaa	240
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	atgagaatca	acgatgtctc	ttccaaaaggc	tttgtctgct	ccaactccac	agtagtacgg	900
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40 <210> 352

<211> 943

<212> DNA

<213> Arabidopsis thaliana

45 <400> 352

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	aggtaacacc	cggtagggca	gttgagcaaa	gtcaagggtca	aagagatgct	tgcggttctc	480
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	aagagagaag	agcttgaggc	tcaagaaacg	gatttggtta	ggatggagaa	ggaagtgggtg	660

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5  gaagtgaagc ggcggtattga ggagacgcgg gctcagatgg ttgagatcga agcagaacgg 720
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<400> 363

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<212> DNA

<213> Arabidopsis thaliana

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<210> 367

<211> 938

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(938)

<223> n = A,T,C or G

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<400> 367

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	tctgtgttct	tgcttctatc	agaaatagaa	gaagtagctg	tatacaacaa	atcattgatt	180
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	tagaattctg	ggttcatcaa	gttattttacc	acccacgaaa	acggtatctc	tagcttcatt	360
	tctatccctt	gtatccctac	caatttgatt	tcacccatct	ccctcgaccc	atctgcttct	420
	tctgtatcat	ctatgcttct	ttcttcacca	ctcgtttgcg	ctctgtctcc	cataaactca	480
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	tcaacagggc	gattaaggta	cgagatgtca	tcccagggtat	cgatctccgg	tacatcttca	600
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	aaaaaggatt	ttacattaaa	tcaggacgct	agtactttgt	atcatgtttg	ccatcactgc	720
	aatagatgca	acaattttgtg	aaaagtcatt	attcttttcc	tgtaagttn	ntgctgttta	780
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<210> 368

25 <211> 937

<212> DNA

<213> Arabidopsis thaliana

<400> 368

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	tcttgaacca	taacctgact	caagcgcgac	gcgttcgcgt	gttgtagacg	acaatccatt	180
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	attcgtgaca	cttttggtac	gatggcacgt	agagcgtaaa	accgggtggtt	tagcttctct	540
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<211> 937

<212> DNA

50 <213> Arabidopsis thaliana

<400> 369

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	cgacgagcat	cttctcactc	gcagttacat	tactggatac	caggttcaa	aggatgatat	180
	caccgtcttt	gcagctcttg	caaagccccc	aacttcacag	tatgtgaacg	cttctcgttg	240

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	cattgtttgag	ggatcagctc	ctatcactga	ggaggctgtt	gctactcccc	ctgcagctga	360
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<211> 937

20 <212> DNA

<213> Arabidopsis thaliana

<400> 370

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	tcttcacgag	aagaatctctg	actttgaatt	cgttcatatc	gagctcaaag	atggtgaaca	180
	caagaaagag	cctttcatct	tccgcaaccc	ttttggtaaa	gttccagcct	ttgaagatgg	240
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	caaaggaaac	caacttgtct	cccttggctc	caaggacatt	gcgggcatag	ccatgggcat	360
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	aaagcctttg	tatggtatga	ccacagacaa	aaccgttggt	gaagaagaag	aggctaagct	480
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<210> 371

<211> 936

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<223> n = A,T,C or G

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	tccgcgtacg	aaccttcaac	gaactcaatc	cttctgctta	caatatccaa	gatcatagaa	300

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<210> 372

<211> 935

<212> DNA

20 <213> Arabidopsis thaliana

<220>

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<222> (1)...(935)

25 <223> n = A,T,C or G

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45 <210> 373

<211> 935

<212> DNA

<213> Arabidopsis thaliana

50 <400> 373

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	tccaacaatg	aaaccgattg	cgatgggagc	aattgttcca	agactcccgt	ttttgggggtc	480
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	gaaagccatg	ccagagcctg	aaccggcgac	gacaaagatc	aaagttgaaa	tgaactcagc	900
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 <212> DNA
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	gcagcaggac	tgtccttttg	gatgtttcca	gctggtgaga	tgtgatcagt	ggtgatactg	900
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10 <211> 932

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<213> Arabidopsis thaliana

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	gttcgggtat	gttccatgcc	tagtaataag	tattgaatcg	cagacattgt	tgatgaaaaa	480
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	agaggactaa	tgagcattcc	acctccaata	ccgaacacac	cacccaaaac	tccagctaata	600
25	agagccatta	caggggaacat	acacttggtt	gatcttgctc	catcatttga	tctcaaatct	660
	tctacatcct	ttactgagac	atggtaatct	gattgttggt	ggctttgaac	attgtcactg	720
	aagcagatcc	agagagtgaa	gaagagagtt	agtggatatt	gagacgatga	aatgagccag	780
	taggcgtttc	cacatggctc	gatcgatatg	attccctcgc	catatttggt	tcctcgaaga	840
	agataaactg	cgaagtaaga	aagccaaata	atgaccaaaa	ctccaagctt	aatccatgga	900
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<211> 932

<212> DNA

35 <213> Arabidopsis thaliana

<400> 379

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	agaccaccca	agaatcctcc	tgcgtttgat	ttcaagaact	cgtagatcgg	cgctgtgctt	360
	ggtccattca	cgtcaacctt	atcaaata	gggaactctg	ctttaaaccg	ggtgcaagcg	420
45	aattgtttga	tctcggagtt	tgaccggggc	tcttggaac	caaactgatt	gcagggaaaa	480
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	gagaatttca	aggaaggagc	gagaaagggt	gctgaggaat	taggtctaga	actgttgaag	840
	actgtagaga	atgttccgta	cgaagaagat	gaagtagtca	tgagagacgag	tttatgttcg	900
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55 <210> 380

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5 <212> DNA
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<220>

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<223> n = A,T,C or G

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	caaagtgttt	tcttcttttc	atctcaaatt	tcacatttcc	actaatcaga	caccaattgt	180
	ttaagcagag	attggttcgt	atggatatga	aagccaaggg	tgcttcagag	cctctgctgc	240
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	gtctcccatt	ggcagccgat	gtctcaacga	tggtcttttt	ggtatcaggt	actccaatct	360
20	gttgctttcc	tggttccgct	catagagcat	tcggtttttt	gtgaagtatt	tgtggnnnnc	420
	ncgtncntnn	nnaagcattt	cattatcgaa	agatcctacg	attcccataa	cccttgctag	480
	caaactggct	ggcgaatcat	tctggaagag	aacgttgcct	gtacacagtt	cagccaaaat	540
	gcaccaaga	gaccacacat	ctatcttttt	atcataagga	agtcccaaaa	tgacttctgg	600
	tgctcgatat	gaccttgact	ggacatagga	gcataggtgg	tctgtctcga	aacagctact	660
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	cttcaaatca	cagtgtataa	gtccaaggcc	atgtagaaat	tgaagtgatt	cgagacactg	780
	gatagtgatt	gactgcaatc	ttggcatcgt	gaaataaact	tcaccacctg	attctctgtt	840
	aaatttggtg	aattcgtata	gattggcctt	aagaaattca	catacaatta	gcaagtgctc	900
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<210> 381

<211> 931

<212> DNA

<213> Arabidopsis thaliana

35

<400> 381

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	ttctcatcaa	ccaagtctca	gggaggagcc	accgtggtaa	tctctccggc	tacaagcggt	300
	tacgagctcc	ttgaatgcc	tgtctgcacc	aattcaatgt	accacccaat	ccatcagggtg	360
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55 <211> 931

<212> DNA

5 <213> Arabidopsis thaliana

<400> 382

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10	ctaaaatgtg	acatgatcct	caatctaaca	gacaaaagta	acaagttttg	tgacacaagc	180
	tgataggtaa	attacccaaa	ttgagttttt	tcaatcaaag	acgagcgatg	actgcttcga	240
	cttcttgtgg	agtgtagaga	tgataagctg	gtgctacctt	ggcaatatcc	acgttatttg	300
	gagtcacctt	ttcttccata	acttgcttta	ggatagatac	agcgatagtc	tcagcttctt	360
	gtagagacaa	atctttgttg	aattgctctt	gaagagagct	atcagctcct	tcagaacctg	420
15	aaccaattgc	ctttgcattg	cactgccaga	atgttcctga	aggatcagtg	tagtacaagc	480
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	cttcaatggc	atattccact	tgaaatagcc	ttccttcttg	agaaaaagt	ttcactcctc	900
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25 <210> 383

<211> 930

<212> DNA

<213> Arabidopsis thaliana

30 <400> 383

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	cttctatacc	taatttgacc	catttttttta	tttagagact	tttttttttct	actggggaga	180
	aacagtgaat	aaggtatatt	cactcactcg	ccagcagact	cacctgcatt	cattcttcgc	240
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	gaaagctttt	ggtcctcacg	caagcccagc	cacagacacg	atatcctcgc	catcgcagcc	360
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	ttcccattaa	ctttcactga	cctccgtgac	cgtgagtcac	catcattata	gccctctaga	480
	tccgagtggg	tgactacaac	cattgaccca	tcatcaaaca	ccactacatt	cccagaacaa	540
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45	tccatggaag	gagcaaaaca	ataatctctt	gtagcaatca	ccaggtgggc	aatgcagtaa	900
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<211> 930

50 <212> DNA

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 10 tccacactga agctctctgt tttgcgtctt caaatgataa aaccttcttt ggcgtgcaaa 240
 tcttgaaatg tgaagggtta gtgactacaa cgttgagggtc attcgagtta tcagaccata 300
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 15 aagcaagtgc agttatggaa cccgatgatt cagaagatgt aggaggagca ctgtgccccct 540
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 35 cctccggcgg tggagaagtt gagctacaag tgtagcgtct gcgacaagac gttctcttct 360
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 aacatccctc cgatccctga attctcgatg gtcaacggag acgacgaagt catgagccct 720
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 cttagacgat aagatttcgt ttgtatactg ttgagagttg tgtaggaatt tgttgactgt 840
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 gaagaatctc cggttctagt caatgtcttg agctcgtagc ccaaccaaca cctcgaactc 240
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 15 gtaaagcgnn tgtatgtcac gtcccaagcc gtggaagtcg ccaacgtact gtaactccaa 600
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25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(929)

30 <223> n = A,T,C or G

<400> 391

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   gtaccattga cgccgtcaag ttggatgggg ttttgggatg tgggagcagg agatgggtatt      660
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50 <210> 392

<211> 928

<212> DNA

<213> Arabidopsis thaliana

55 <400> 392

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30 <223> n = A,T,C or G

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50 <210> 394

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5 <222> (1)...(927)
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	ttgaggaagc	tactggtgaa	cttcaacatc	ttttcgcaaa	gaattactat	agcaacaaaag	900
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<400> 395

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   caatcatggg acacgaaaca atgacgccgg caacaacaac gtcctgtgtc acgtacggaa 180

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20 <211> 926

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<400> 399

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15 <212> DNA

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<220>

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<223> n = A,T,C or G

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<400> 402

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<223> n = A,T,C or G

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<210> 412

<211> 922

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<222> (1)...(922)

<223> n = A,T,C or G

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<210> 413

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<212> DNA

20 <213> Arabidopsis thaliana

<400> 413

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<212> DNA

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<222> (1)...(921)

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10	cccagtgcct	gcagcaatca	aagtttttggg	tcacagacca	gatagcaatt	gctgtagctt	780
	ccttggctaa	aacaggatct	ccttctccag	ctaatttcag	agcaaaagt	aatatctgtt	840
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	agagacgggt	gatctgaagc	taaatctgaa	taatgagcct	gcaaacaagg	aaggatctac	240
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	caaacctccg	gccaaaggc	aagtgtggg	atggccaccg	gtgagatcat	accggaagaa	360
	cgtgatgggt	tcctgccaaa	aatcaagcgg	tggcccgagg	gcggcgccgt	tcgtgaagg	420
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30	agaagaagga	atgatagact	tcatgaatga	gaggaaattg	atggatttgg	tgaatagctg	600
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 <212> DNA
 <213> Arabidopsis thaliana

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55	gatgcatttc	attccagctc	tcagcaaagt	gtactttcaa	ataatctgct	ctcctccacc	720
	aaccaaaggt	ctcatacata	tgtagcacag	acataaacgc	aaaataaggc	actctagcaa	780

5 ttgtctcaag aacaaagaac cttgcatatg ttcggtcacg atacaaagtg tcaagtatct 840
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<210> 419

10 <211> 920

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1) ... (920)

<223> n = A,T,C or G

<400> 419

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 gaagccctct catctcttcc tccattctca tcttcatttc ataaaactct ctctgccctc 180
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 tcaacttccc cattctccga ttgtactctt cttctatctt ctccttcttc gctattgcta 300
 25 ttcgtttcag tccctctgct tctcttcgtg catcatcggc ccgcccttgg aacatttctg 360
 cctctgcttg cttcattctc acaatgctct ctagctcttc gaaacgaggt tcctttgggtg 420
 aacccttttt caactccatc tccactgcac atatttcaac ttgcctctct ctgtggaatg 480
 catcagctac gctcgctgac cttttcagct gattatgcgg gttatctgag cacaccgatc 540
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 atatgcgatt gcaagcttca ggaaggccta tcaatttact tttcaaactt gccagcatcg 720
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 tgacatactc cagttccttg caaaagcgct caaatttcca ttccttgca aaattcagaa 840
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<210> 420

<211> 920

<212> DNA

40 <213> Arabidopsis thaliana

<400> 420

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 acaaggggcg atacagatgt aacgtggaat gtagaaagtg ttttatatag cagaataact 180
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 ccctaaagct gcattcccga cagcaagtat gtaaacaac aggccaagca ttgcgtgccca 420
 50 cggaagcaat ccgcttttca aatttggtga tcctcctggg aagaagaaca ctatgaagct 480
 gtacacccac tggaagccat aaagagaaat gactccaata ccaatccagg aatggagact 540
 gttagagatta gggatatggc tttcattgtg gttcttaaag gctgcacaga tgccaaatat 600
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 cagcgggaagc gatttgtaac ttatgatggc ttctcctccc aagattataa atccgatgag 720
 55 catcagaaca ggatgcagat tgaagatgag attcttggtg gtagcttccc aggccaatcc 780
 acctctgtaa ctgatactcc aaaccagtac cataatcgcc gctattaccg ccagcgcgtg 840

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<210> 421

<211> 920

10 <212> DNA

<213> Arabidopsis thaliana

<400> 421

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atttttacat tcattagttg aaagggataa caatatcgcc aatgttggtg tgccatggat 180
ccgccaagtg agttgccaag ttctccaatg gtccctgtccc cgggtaagcc gactgttgca 240
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25 caaagtcacc aggagcagaa ccgtcaaggt aagctggctg tggctcgcca ggcattccagt 720
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cgaatttaga cttggaagaa gagagaagcg aagggtacac ggcggtctatg ccacagctca 840
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<210> 422

<211> 919

<212> DNA

<213> Arabidopsis thaliana

35 <400> 422

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attgaaattt tatctaacat gcatgtagta tagaaggcgg cttcagtgat gtctaagcaa 180
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45 accaatagca cgggcacgga ggaatgatcc ggtagcaca ggctcctgca tcagtaccag 540
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50 tgcaaaagtt ctctcattca gcgtaacatt agggttcctg agagggaaag catagccctt 840
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<210> 423

55 <211> 919

<212> DNA

5 <213> Arabidopsis thaliana

<400> 423

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10	tagcatatac	actaagcaat	tacgagctgt	tcgattacat	tcaaggcgct	tggaactaag	180
	tttggcggtg	aatgattaca	ccaaagcaaa	gataactgaa	agaattgagc	catggattag	240
	aagagagctt	caggcagtc	ttggagatcc	tgatccctca	gttattgttc	atcttgcgtc	300
	agctcttttc	atcaaaaggc	ttgagagaga	gaataatcga	caaaccgggc	agaccgggat	360
	gttggtggaa	gatgaagtct	cctctcttcg	aaaattcttg	tctgataagg	tggatatatt	420
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	ggttgaatac	aatgaggtgg	agtaatatga	gtaaaaaaaa	cagataaccg	agcactatgc	540
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	aatagtggaa	agactggacc	aagtaagaga	aaccaagagt	taaagagtag	gtaggaggaa	660
	gatgttgaga	tgatgcaagt	ttaggtgtgg	agttagtttt	gagatagcta	taggtggatt	720
20	ctcaaatagc	tgacacttag	tctctctact	tccataatgt	acgtctcttc	tataccaaaa	780
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<211> 919

<212> DNA

<213> Arabidopsis thaliana

30 <400> 424

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	ggccggagtt	ttcaaaacgg	ttacgtttct	tgttttgggt	ttcgctgccg	ttggtgtctt	180
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35	ctatactact	tgggctaccg	gtaaaacttt	ccgtgtaggc	gacgagctcg	aatttgattt	300
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	agagaaaccc	attagccaca	tgaccgttcc	tccgggtcaa	attatgctaa	acaccactgg	420
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<211> 918

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<213> Arabidopsis thaliana

<220>

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55 <222> (1)...(918)

<223> n = A,T,C or G

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ctgcatttag aaagtattag gctgttttagc ctgagagatc atctggacaa cctctctcat      180
10 ggtcgggtctc tcaacactat gttcttgcac acatagcatt gccacaaaga acagttccat      240
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<211> 918
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<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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tgaacaatga gcatcactt aaaaagtgtg aaactatgg tttctgagtt ttgaaaatgc      180
tacaagaata tcataagatg agggaggttc atatcactta agtaactgtt gcagttatct      240
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40 tgattcatca gtggaaaaca aatcctccgc ccgagtgttc aacttcctga ggagggggta      360
gagatgaaac ccaatctgat gcatgtgttg gaagaagccc caaagtgtta agcttcaga      420
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cagtagattg atcggagaat tcgacggccc atctccgacc agtaccatc actgctttgc      840
ctttgtccat tgtcttcttt cttcgatcga gagagacaca gagagattgg ggaagaagag      900
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55

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<210> 427
<211> 917
<212> DNA
<213> Arabidopsis thaliana

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5  <220>
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    <223> n = A,T,C or G

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    ggacgagcct accaagtggg ctttatacag agccgctcatt gccgagttcg tagccactct      180
    cctcttcttg tacatcaccg ttttaactgt catcgggttac aagattcagt ccgacacaaa      240
15 agccgggtgga gttgactgcg gcggcgtcgg aatccttggc atcgcggtgg cttttggtgg      300
    catgatcttc atccttgtct actgcaccgc cggatatctca ggtggtcaca taaaccctgc      360
    ggtgacgttt ggtttgttct tagcccgaa ggtatcgctg attagggcgg tgctttacat      420
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    <210> 428
    <211> 917
30 <212> DNA
    <213> Arabidopsis thaliana

    <220>
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35 <222> (1)...(917)
    <223> n = A,T,C or G

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    cggaatcttg gtgatactgg atagaatatc caagtcctct tttgttggcg catggagaat      240
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45 catcgggtata ggcaggggaa taagtgaac ggttggacta gcggctacat tagtgatatc      420
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    gctctataca attcacctct accgcataag aaaccatatt tttcatcttg agaagattct      840
    tttgttgaaac aaatgtttat tcaagttgct cccttctcgt ggaaacgtgt aattcataat      900
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55 <210> 429

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5 <211> 917
 <212> DNA
 <213> Arabidopsis thaliana

<400> 429

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	gccggcgaga	aacaatgatt	gcaaggattt	ttcttggacg	gcaccaagag	ttttagttaa	180
	ggaaataaaa	ttgattagta	acagaacaaa	aaagaccgag	acaacgactc	actctgcttc	240
	ttctaattct	ctagctcgat	gattttgacc	acggacgcat	ctcccacttt	ctgacagacc	300
15	acaactctgt	catgtgactt	gatcactccg	gcttgcttcc	catggtctag	agccacttta	360
	agaaccgact	catttggttg	acttggtgat	tccgcagggt	gacgaggatc	agcaagcatg	420
	gggaaaagac	ctctgacaat	aagtgactgc	cttgccctcaa	aggctccgct	aaagctccac	480
	ttcagctgat	ttgtcgtaag	tcgggggaatg	acaacagaga	gaacgggcat	agttggacgg	540
	tatttggcaa	tcaaccttgc	tgctctgcc	gacgagggtga	agcatataat	tacggatgcc	600
20	ttaaccttga	ttgtgccc	tacagcagaa	gaagcaatag	attccaagtg	agtcattggt	660
	tctccaacat	acttgacagt	cttcttaaag	aacaaatctt	ggttgaatac	tttctctgcc	720
	tcacaacaga	ttctaccaac	agttgatatg	gtttcaacag	ggtacaatcc	acgaagagtc	780
	tcagcaccaa	gaagaattgc	atcacttcca	tctaaaacag	cattagcaac	atcagttgcc	840
	tctgcacgag	ttggccgcag	attgtctgtc	atactgtcta	caacacgagt	aagaacggca	900
25	ggctttccag	ccatggtt					917

<210> 430
 <211> 916
 <212> DNA
 30 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(916)
 35 <223> n = A,T,C or G

<400> 430

40	cttttttttt	tttttttttt	agagacaaaa	ggattacatt	gacgttacct	tacaaaaagg	60
	ttgttacact	aaaagaattc	attttgaaga	atacaaaaac	aagcttcgta	ggttcttgct	120
	taaaatcagt	cattgaaaat	cagaagacga	tgaagatggt	agatcaggat	cttcaaactt	180
	attaaacctt	ttccgagtcg	ctgcatcggt	gctaattgcta	atcccatgct	gctttctacc	240
	atacgagtct	tcgtttatgt	aatcttcata	ctcatcatca	acaacattca	catccatttt	300
	catgttcatg	tcttcttctt	cttctctctt	ttcttcgtat	tcatcatcac	tatgtaagct	360
	aaattcccc	ctacctacta	atttacttga	ttcgccgcgg	ccatcaaaaat	catcaatcgg	420
45	agccatgaca	tcatcatcat	catagtcttc	atactgaaac	gatctccccg	agctgctagc	480
	ttctccgtca	tcgtcttgca	gttcaggggt	ttcgatccaa	tcgtcatcgt	tatcannaag	540
	actggttttg	gcggttacag	caacttcctt	aacccgacgt	cctcctccta	cttcattaca	600
	tataccgagt	gttccttgcg	ttggtctctt	tcggcctttg	gtgccactac	gccgccattt	660
	ctttctaccc	ccacgtgggt	gtgctctcgg	tctcaacatg	gtttcaccat	ttgagtttgc	720
50	tgcacctcgt	ggtgggttaa	cagaaactgc	cggtttcttg	ccattgccac	gggcacgagg	780
	ccggccacgt	cctcgtgggt	gtcgacctcc	tctcccagag	ctagacacac	cacctaaacc	840
	aggatccgtc	cagttctctt	cttgcttata	agcagcaact	tgcaccggag	tttccattac	900
	gtccttctca	tgtaag					916

55 <210> 431
 <211> 916

5 <212> DNA
<213> Arabidopsis thaliana

<220>

<221> misc_feature

10 <222> (1)...(916)

<223> n = A,T,C or G

<400> 431

15	tttttaaatgt	ttaaattataa	cccaacaagc	taatattcat	ttttaaaaaag	gcttcataag	60
	aacacaaaaga	cctcataaaa	aagcataaac	ggggttcttt	ggtgccacca	ctcttctaaa	120
	caaaacacca	aacaaaaaac	agagaaagtg	aaagcaagaa	cataaacgat	gatataaaaa	180
	ctacgatcct	cagcctcttt	cttcagtact	tgtaatcctt	aacgtgaagg	ctctcagctg	240
	caccttcacc	gagcttagca	tcacccttgt	aagcaccaag	tggtgcttca	gagttagctt	300
	tgcattctgac	caagaacgct	tcttgagcct	tcttcacatt	ctcctctttt	cctccccaag	360
20	tcttcaaagt	gctctgctgc	aacgcccttc	caaaggagaa	agacaacgac	caaggcttct	420
	ttgtcttcaa	ctgggttcac	gcgttaaggt	ttcttgtcgc	ctcttcctcg	ctctgtccac	480
	cagacaagaa	cactatggct	ggaacagcag	ctggaactgt	cctctgaaga	gcacggacag	540
	tgtgctcagc	aatcacctct	ggtgcaacct	tcgcactctc	tgatcctgga	gtaaccatgt	600
	taggtttcaa	gagtgttctt	tctagcaaga	catggtgatc	actcagagcc	ttgtagcaag	660
25	ctgcaagaac	acgctctgtc	accgnngcac	acttctgaat	gtcatgagag	ccatcaacaa	720
	gaatctcagg	ctccacaatc	ggcacaagac	cgttctcctg	acaaatgaca	gcatacctag	780
	ccaatccata	agcgttctca	tggatagcta	actgagatgg	ctcattaaca	ccaatcttaa	840
	gaaccgcagc	ccacttggcg	aaacgagcac	cagcctcgta	gtatttcttg	caacggtcac	900
	caagaccatc	aagacc					916

30

<210> 432

<211> 916

<212> DNA

<213> Arabidopsis thaliana

35

<400> 432

40	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	ttttttcaaa	60
	atttactttt	acttgtagca	gagaagaatc	agcggttggg	aagagtagtt	acagattata	120
	atcaaaccga	atcttctata	tacacataag	ctgtgaaaga	tcgagagatg	gtagaattaa	180
	aaagacgatt	ttaacctcat	caaatcggtg	gaggagctga	gccgtaggag	gagagaagct	240
	gaactaaaga	gttcatggct	ctcacttgca	tctccagagc	ctgaatataa	tcagttgctt	300
	cttctagaat	caccggtacg	gattgtttac	cgcaaccggg	aactaaccgg	cctagaacac	360
	gtactttccg	gttaacatcc	ggtatactct	tcttattcaa	tctcaacacc	gacactctcc	420
	gttttctcga	tctgttgctg	ctgctactaa	ccaccgtagt	catggccgga	atcgccatcg	480
45	tagctcgagg	acgtctctgt	ttacgaaatt	tcagtttgat	ccgattagct	aagatcgctc	540
	tgctccagag	tgttcttccc	cgagcggaaa	cggcaagagc	tcgatcggcg	gcttcacgga	600
	cggccttttc	tcgtttctga	gccgttgagg	atgatgatgt	tgaggcggaa	gagttgaggc	660
	ggacttgttg	gagcgcttgg	aacagtttgg	ctgagtagat	ccgttggtgc	ttctccgata	720
	gccatcgogc	gtgaatctca	cggagacggg	aagatgcgct	tgaacgagac	gatgcggcgg	780
50	atgaagcaga	ggatctcttc	tttctccgaa	cgagatctga	agtagtactc	gtcggcggtt	840
	caatatctga	gatcagagac	gccataacca	aataattggc	tctgatctcc	gcagtcgtat	900
	tgaaagagct	acagaa					916

55 <210> 433

<211> 916

<212> DNA

5 <213> Arabidopsis thaliana

<400> 433

	tcgttttgtt	gatttcttct	gggtgaagat	gtcaggtctc	gaagatatca	agaacgagac	60
	cgttgatctg	gaaaaaattc	cgattgagga	agttttccag	cagctaaaat	gtacaagggg	120
10	aggattgaca	acgcaggaag	gggaagacag	gattgtgata	tttggcccca	acaagctcga	180
	agagaagaag	gaaagcaaaa	ttctgaagtt	tctgggggtc	atgtggaatc	cgctttcatg	240
	ggttatggaa	gctgcagctc	tcatggccat	tgttttggct	aatggtgata	atcgacctcc	300
	ggattggcaa	gatttttgtg	gtattatctg	tctgcttggt	atcaactcca	caatcagttt	360
	cattgaagaa	aacaacgccc	gaaatgctgc	agctgctctc	atggctggtc	ttgtccctaa	420
15	aaccaaggtt	cttagggatg	gaaaatggag	tgaacaagag	gctgctatcc	ttgtcccagg	480
	tgatattggt	agcattaaac	ttggagacat	tatcccagcc	gatgcccgtc	ttcttgaagg	540
	agatccttta	aaggttgatc	agtctgctct	aactggagag	tcccttcctg	tgaccaagca	600
	ccctgggtcaa	gaagttttct	ctggttcaac	ttgtaaacia	ggagaaatcg	aagcggttgt	660
	tatagccact	ggagttcaca	ccttcttttg	taaagctgct	caccttggtg	acagcactaa	720
20	ccaagttggg	cacttccaga	aagttcctac	atccattgga	aacttctgta	tctgttctat	780
	tgctattggt	atagcgattg	aaatagtcgt	catgtaccct	atccaacacc	gaaagtacag	840
	agatggaatt	gacaatctct	tggtcctctt	gatcggtggg	atccccattg	ctatgcccac	900
	ggtcttgtct	gtgact					916

25 <210> 434

<211> 915

<212> DNA

<213> Arabidopsis thaliana

30 <400> 434

	ttttttttta	ccataacaac	aagatccctg	atattatttt	caaattgact	cataaagcat	60
	tacaaaagga	gatggttttt	ctgaaacatg	aaatgggttg	ttacagaaga	cgatacatat	120
	aataggcagc	tatgttcac	atctctttcc	ttttccttta	gcatcaaagt	gatgagactt	180
	tagttttctc	ttccgcacta	tcgcgcctgt	gctgccacca	cctccttccc	tgaaaggcat	240
35	tcccattaga	gccaatagtt	tctgtccttc	ttgatcgctt	ttagccgttg	tgctgatgca	300
	tacatccatt	cctctcgttt	ttccaacggc	atcaaacctg	atttcaggga	atacaccttg	360
	gtctttcaca	ccaatactgt	agttttccgt	cccatcaaag	ctactgggac	tcacaccttg	420
	gaaatctcga	gttctcggaa	gggctaagtt	gataagacga	tccaagaagg	agtacattac	480
	atctcctctg	agagtgcag	caatcccaag	agggtgatct	tccttgatct	tgaaagtagc	540
40	aatggaagct	ctagctcgtg	tcttaatagg	tttctgccct	gtgataagcg	cgatatcctt	600
	catcgcagcc	tccaaaccct	tgtcgttctg	cgccgcacat	ccaataccac	aattcactac	660
	aatcttctgt	acctttggaa	cctggtgaat	attaacgtac	ttgaactcct	ctttgagcgc	720
	agggataatc	ctctcgaggt	aagcggtttt	gaggcggttg	gttttctcgg	cttcagattt	780
	ctcgaccagt	acagttccag	acgccgagac	tttcaccacg	tttctgagcg	gaggagagag	840
45	cattcgtgcg	gaggatggag	ccgctaattg	tgagaaacgt	ccgtgaaacg	aagaagcgga	900
	agactgcaga	agcga					915

<210> 435

<211> 915

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(915)

<223> n = A,T,C or G

5

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<400> 435
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ggtttggacg cactggcgag tgcagcagtc ttaggagaca caataggcga gccagaggta      120
gcgaccacga ccagacatcc aaggcacagg gctggatgct cttgcatcgt gtgcattcag      180
10 ccaccaagtg ggaaaggtag gcacaagcct acatgtggct gcactgtgtg tagcacctgt      240
aagagaaggt tcaagacgct tatgatgagg aggaagaaga agcagttgga gcgcgatgta      300
acagcagcag aagataagaa gaagaaggac atggaactgg ctgagtctga taagagtaag      360
gaggagaagg aagtgaacac agcgagaata gacctgaaca gtgatccata caataaagaa      420
gatgttgaag ctggttgcggg ggagaaagaa gagagtcgaa aaagagcaat aggacagtgt      480
15 tcgggcgtgg tggctcaaga cgccagtgat gttttaggag ttacagagtt agaaggagag      540
ggtaagaatg ttcgtgaaga gccgagagtt tcaagctgat atggaaggaa aaaggggaaag      600
ggtaaannc aaagtcatag ccagttttat taatatgctg agaccaagag taggagaaga      660
agaagagaaa gagagagaga gagagagaga gagaagtaca gttttgtgtt tgattctgtc      720
atagttgtag gaaaaataag tttctggttc taaacagcga caatgtccca tcttttgnnn      780
20 tttgtttttg tttttgtatt tttatggtat cgtgttgagt ttgggggtta tagtatgtct      840
ccattaatct aggttttgtt gtagaaggca aatggagctt tgtgcttggt gatgaaacag      900
ttgagttgat ttttt                                     915

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25

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<210> 436
<211> 915
<212> DNA
<213> Arabidopsis thaliana

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30

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<220>
<221> misc_feature
<222> (1)...(915)
<223> n = A,T,C or G

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35

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<400> 436
tttttttttt tttttttttt tttttttgag aggaacaaga aaggttatgt tcatatcatt      60
acaagaatca catcaagact tgaaaattta agctccaggt gcaaacttag ttgcgaaagc      120
ccacgcattg ttagcaacag ggttgtcaag atgggtcaagg agattctcca aaggaccttt      180
tccagtaaca atggcttgaa caaagaagcc aaacatagag aacatagcca atcttccgtt      240
cttgatctct ttcaccttaa gctcagcaaa agtaactgga tcatcagcga gaccaacgg      300
40 gtcaaagtat tgcccaccgg ggtacaagtc gttgccttcg ccaacacccat caagaccgtt      360
gatgcggaaa ctttcaacca aacccatgag gatgacttgg aagccaagga cggctaaaat      420
gctctgagca tggactaggt ttgggttgcc taagtagtcc aaaccgcctt cggagaagat      480
ttgtgaaccg gctttgaacc agactggttc tttgaagtcc acacggaccc acttttgaag      540
aacttcaggg gttatgcaac caaaagctcc caacattgcc catctcccat ggatcacctc      600
45 aagagctctg tttttggcaa gggcttcagg gnnngcggat aaaccngcgg tgtcccaacc      660
ataatcgcca gggaattctc cggtgaggta agacggagtt tgaacggaaa agggtcctaa      720
gtacttcact ctgtcaggtc cataccaaag atcatttccc atagtgtact tgggagatcc      780
gagagagaca acatcacgaa ggggggttaa gcttgaggct ttagtctggc caaggaatgt      840
tgttggggta agaacactgc ttgagctcgt gaatgttgat gccattgtct ctctcggctt      900
50 gagcttttct ttttt                                     915

```

55

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<210> 437
<211> 914
<212> DNA
<213> Arabidopsis thaliana

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5 <400> 437
ccacgcgtcc gcttcttctt cttcttcctc tctgtttttt ctctctcttt gtttggaacc 60
accatggata atgtcaaact tgtaagaat ggtgttttga gattgccacc tggattcaga 120
ttccatccta ctgatgaaga acttggtggtt caatacctta agaggaaagt ttgttcttct 180
cctttgccag cttcaatcat ccctgagttt gatgtttgca gagctgatcc ttgggattta 240
10 cctggcaatt tggagaaaga gaggtacttc tttagcacia ggaagctaa ataccctaat 300
gggaaccggt ctaaccgggc aactgggtct gggtattgga aagctaccgg tattgataaa 360
cgggttgtag cctctagagg aaatcaaate gttggttga agaaaactct tgtcttctac 420
aaaggcaaac cacctcatgg ctcaagaacc gattggatca tgcacgaata tcgcctctct 480
tcttctctct cgagttctat ggggtccact cagaactggg tactctgtcg tatcttcttg 540
15 aagaaaagag ccggttaacia gaacgacgac gacgacggag atagccgtaa tcttagacat 600
aataataata acaattcgag tgaccaaatt gagataatta caacagacca aacagatgat 660
aaaacaaaac caatcttctt tgatttcatg agaaaagaaa gaacaacaga tttgaacctt 720
ttgccgagct ctcttcttct cgatcatgct tcaagtggag tcacgacgga gatcttctct 780
tcttccgatg aagagaccag tagttgcaat agtttcagat gaaatcttta atttaatttt 840
20 aatgttgact atcttaataa gttattatag ttttatatta atacgactct ctttcctttt 900
taaaaaaaaa aaaa 914

<210> 438

<211> 914

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(914)

<223> n = A,T,C or G

<400> 438

35 acaatggctc tctctctccc tgccttcgcc ggaaaggctg tgaacctttc ccccgcgcca 60
tctgaagctc tcggaagcgg ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggt 120
ccatcaggca gccatggta cggatccgac cgagtcaagt acttgggtcc attctctggc 180
gagtcaccga gctaccttac cggagagttc cccggagact acggatggga caccgctgga 240
ctttcagctg atcccagac attcgcaagg aaccgtgagc tagaagttat ccacagcagg 300
tgggctatgc tcggagccct aggctgcgtc ttccctgagc ttttggctag gaacggagtc 360
40 aagttcggag aggcggtttg gttcaaggcc gggtcacaga tcttttagcga tggaggactc 420
gattacttgg gaaaccctag cttggtccac gctcagagca ttttggccat ttgggccact 480
caagttatct tgatgggagc tgttgaaggc tacagagtcg caggaaatgg gccgttgga 540
gaggccgagg acttgcttta ccccggtggc agcttcgacc cattgggtct tgctaccgac 600
ccagaggctt tcgcgagatt gaagtggaag gagctcaaga acggaagatt ggctatgttc 660
45 tctatgtttg gattcttcgt tcaagccatt gtcactggta agggaccgat agagaacctt 720
gctgaccatt tggccgatcc agtcaacaac aacgcatggg ccttcgcaac caactttgtt 780
cccggaaagt gagccaagtt ttatcagttt gtattttgct tnnctttcag tcttttgaat 840
tcgagtgaga gacatgagga gaaagagaag gttgtatgtg atggtttgag actttcagat 900
gtaaatttgc aaga 914

50

<210> 439

<211> 914

<212> DNA

<213> Arabidopsis thaliana

55

<400> 439

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5  gtttcacttc tcatagggtta ttcttacagg aagtttcaac atctttctgt aaataagaaa      60
   ctcatagaca tcgtgcaaca cagataagaa gaaacaaaa accgatatga agagacaaaa      120
   catcctaata ataaagtaaa caaataaatt tgttgggtact atagtacaaa acggttactc      180
   ttcaacttgg taccaggaaa tgtaactagg tgtttcagtg tgcaggcatt atttcttacg      240
   gaatgctcat cactactata gcttttaggt ttatctggca ggagggtggag ggccaagggg      300
10  ttttgccatg ccaacccaag caacaatccc acaagcgaga attatccaac cgcatacatc      360
   ataagtgaat tcagtgttcc tcttcttctt cttactactc tggctaacat tagatgaagc      420
   cattcctcct ccacctcctc ctctcctcct acctagtatt tgctgtccca ttccttgatt      480
   cataaactgc atatgcagtt ccggggcctt tagtgaggaa tccaaggact tgcgatatgt      540
   gtcattacct ggatcctcat tttctgctct ctggaaatat tcagtggctt tatcaaagtg      600
15  ctcttttgc tcttcaggat cgtgaacata aaacgcgtgg gcggtgtacg cgttggcaat      660
   acaccaaaaga gcctgatgct tccctggatt tattgtcaag gcctcttcca acttggaaat      720
   agcatcattt aacatgagct tagcttcagg aataggctgg aactgtgaaa gttcaagtaa      780
   agctccaccc catttcagca gattctcgga atcaagagga tcgttcttgt actgagcctc      840
   agaatttttg cgagcatgtt cgaacatgat aaacctttca aagtcggcgg tagagaactc      900
20  catcttcaga ttca                                     914

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<210> 440

<211> 914

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(914)

30 <223> n = A,T,C or G

<400> 440

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   ttaaaagaga tacatcttag aggacagaaa gaaacaattt ttgnmntcaa taatacatta      120
35  ttgaaacgat ttttgggat caataatata ttaatgatta gctaataagg tatgtgacgt      180
   gcatagcaca gtttcaaaca catttaattc aacaatggtt gctcgtcgct agcgactggg      240
   acatgtggac ggtcaatgag gacattctcg tagatgaaac cggcgagtcc accaccgatc      300
   aacggtccaa cccaatatac ccaatggtca gtccagtttc cagagaccaa agcgggacca      360
   aaagaccggg cgggggttcat ggaggcgcca gaaaaggcac ctcttgcaag gatgttggct      420
40  ccaacgacaa atcctgtgag aagtgggccc aacctatcaa gggatccttt ctccgatcc      480
   acaatagtgg cgtagacagt gaagagaagt gaaaatgtta agatgatctc ccatatgatc      540
   ccttgcggtg aactcactcc acttgccaat gtgtgaaccg gagttcccat tcctccggtg      600
   aggtaactga ggaggaagca tgctgcggag gaggccaaca attgatcaat ccaataaagg      660
   aatgcacgga atacgctgat gtggccaccc aagagtagac cgaggggtgac ggcgggggtt      720
45  aggtggccac cggagatatg gccnnngat atcattaccg ccacnnngaa tgcgatgagc      780
   accgcgaccg cgaaaagtcc caccaatgtg tttccgacta aactgtcagt ggccatggca      840
   gatccaacac cagcgaagac aaagagaaag gtagtgatga attcgacaat gagggcttta      900
   atgcagtccg gttt                                     914

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50 <210> 441

<211> 913

<212> DNA

<213> Arabidopsis thaliana

55 <220>

<221> misc_feature

5 <222> (1)...(913)
 <223> n = A,T,C or G

<400> 441
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 10 ggaactagag tttgctttac acaatgtaga ggaagagcag aaggagaagc tattgttatg 120
 gcacagcgag aagtttagctg ttgcctttgg ttgcataaaa ctccctgaag gttcaccaat 180
 acaagtgttc aagaatttga gaatctgtgg tgattgtcat aaagcaatca aattttatttc 240
 ggagatagag aaacgagaga tcattgtaag agacaccaca aggtttcacc atttcaaaga 300
 tgggtcttgc tcttgtggcg attactggtg aaaagagaag agctttgact ctctcattgg 360
 15 tcaaacctga ctgtatttat atgcgttatt gtgtggtaaa gtttcgacct ttgactttac 420
 aagttggcgt taagaagaga gatgcgtaga tcagcgagtg gttctagatt tttggatcat 480
 tttccggcga cttcaaggtc tccgcctcga tctcagagtg ttacagctat ggaagatgat 540
 gtggagctgc ttttgcctag gtacgatccg aattcacaag cggggaagag agagaagtca 600
 agattcagat ttgcagaaaa cgnncnnncat ttgattcctc tcattcttct tctctgtgtt 660
 20 nnnatnctct ggcctctctc ttattcagca gcgttaagga gttgagttca agaagcaaca 720
 tgttgtcttg tctccatgga aactcatcat attcagtttt gggaaaggaa acaattattt 780
 taccgccggt gattatgtgc cgcaaaccat acgtaactct tgtaattttt ggttctgtag 840
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 aaaaaaaaaa aaa 913

25 <210> 442
 <211> 913
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30 <400> 442
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 acctcaaggg cgtcgtgacg gagatcatcc acgatcctgg tcgtgggtgct cctcttgctc 180
 35 gtgtcacttt ccgtcatcct ttccgtttca agaaacaaaa ggagctcttc gtcgccgccg 240
 aaggatgtga caccggtcag ttcttgtact gcggtaagaa agctactctc gtcgttggaa 300
 atgttctccc tcttagatct attcctgaag gagctgttgt ctgcaacgct gagcatcacg 360
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 accctgacag cgacactact aggattaagt tgccatcggg ttcgaagaag attgtcccaa 480
 40 gtggatgcag ggctatgatt ggacaagttg ctggaggtgg aagaactgag aagccgatgc 540
 tcaaggcagg aaacgcgtac cacaagtacc gtgtgaagag gaactcatgg cctaaggttc 600
 gtgggtgtggc tatgaatcca gtggagcatc ctcattggagg aggtaaccat cagcacattg 660
 gtcacgccag tactgttagg cgtgatgcac ctccctggaca gaaggttgggt cttattgctg 720
 caaggaggac tggctgtctc agagggtcaag ctgctgcttc agctgccaa gacagactaga 780
 45 gttaaaagag ataaactttt tttctcttgt tttctatgtt tcaagttttg ttgtctgtgt 840
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50 <210> 443
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55 <220>
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5 <223> n = A,T,C or G

<400> 443

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10 ctccctcgggc acctcctccg agaccactga tcagaattgg gttaccggaa ctctagcggg      180
tatgggtagt atcaccactt gggcagggtt cttcattcta caatcgttca cggtgaaaaa      240
atatccggct gagctttcgc tagtgatgtg gatttgtgcc atgggaacgg tcttaaacac      300
catcgcttcg ctcataatgg tgcgcgacgt aagcgcacgg aaagtcggta tggactcggg      360
cacacttgcg gctgtttact ccggagtggt ttgttcgggt atggcgtatt acatacaaag      420
15 cattgtgatt agggaacgag gtccgggttt tacgacatcg tttagtccta tgtgcatgat      480
catcactgct ttccctcgcg tgttagtttt ggctgaaaag attcaccttg gaagtataat      540
cggnnccgann nttatcgtct tcgggctata tagcgttggt tgggggaaaag ctaaggacga      600
agtgatatcg gtggaagaga aaataggaat gcaggagctg ccgatcacca acacatcgac      660
aaaagtggag ggtggtggta ttaccagtga agtaaacgaa ggtgtgacta acaataccca      720
20 agtghtaacc caataaagca attaaagaga atttttgaag accaaatttc caagaaagga      780
aatttgtttg tctttcttgt ttgtnttatg ctgtttacat tttcaagtta tctgtgttga      840
ttcaactata taacgaatgt tgtatatttt ctgtaattgt cgaatatcac ggaagttgaa      900
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25 <210> 444

<211> 911

<212> DNA

<213> Arabidopsis thaliana

30 <220>

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<222> (1)...(911)

<223> n = A,T,C or G

35 <400> 444

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aataaattat atgtatttgt atgtgtttgt agaatgatac aataaaaaatt taaccgaagt      180
agttgttctc actttcaatg ttgccgtatt ctaagtctct tgtggttggt tgagagaaaa      240
40 cacaagaaga tggagaagga ggatgagccg ttgtagggtg tgggtggagt gttggtcttt      300
gtggtggtgg tgcaatcacg gaaacaccgc cggagttgtg aaatccggca acttgggagt      360
tggaaggtac gatcaaagtg gcgacagctt ctcgttgctt gtacttaaga atctcggatc      420
ttacggccgt gagctcggct tgtaaagctg gacttggtgt tgtagagctg agatggctcc      480
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45 ggcactctgct ctctggctcn caggtaacttc cattagcatc ttggagacgt tactagctcc      600
aaagactttg tggacggaag cgaacttatg aggctcgtgt ggggagaaat atggcgaaaa      660
gggacattct tgagcacatc tacggcgcaa aagcttgcag gcagcacaag gcgtaatggt      720
attgaggggt ccgggaggac ccgacattgg tcttctaatt ccagccattt gatgaggcca      780
agcatctgct tctcttttga tcttcttccc tatctcttca aatctctccc tttctcttga      840
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agaaagaaac a                                     912
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<210> 445

<211> 911

55 <212> DNA

<213> Arabidopsis thaliana


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5      <220>
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      <223> n = A,T,C or G

10     <400> 445
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      ccaagtaata gtaaaacaga cacaactat atatggaaca tgtggacaat gaaactagtt      180
15     cgcctttcct tgtttccctt ttatcagacc atcttgact tgggatgtga cggcaatagc      240
      tgataacaag agataagtga tgaggcgaat ccgaaagcac ctgtgactcg ggnnntgact      300
      ttctttgggg ccaattgaag caatccgaaa gcaacaacta catccatccc tgctttgatc      360
      agagccaatg acctctcggt tgatttctct acttttgcac ggtattgtct attctggtgt      420
      ttatccttgt tccctatctc tttttctaac ttcttaattg atgctgacag cctaccaagc      480
20     tccccaacct caaccaagga tgtgcaaacc gaagaacca tccaacagaa aagtgatata      540
      cgtccaagaa tctcagcacg ttctttgtcc ttgtaaatcc cagtcctgcc aagccacaca      600
      atttgatcta ggaacaagaa cgttgacagc aacgcgtttt tagactttcc gagcagaaca      660
      agcgggagtg gagtcccttt gggaacaggg ctaatgagag catgaagatc atttacaac      720
      ttgaagagac ggaaaacttt cctagccaag ctggtgttct tgtcgacatt ttgagcagtg      780
25     ccagggttggc catcactcaa gaacttgaa ccatattgaa tagctcgaca aatcttgtct      840
      ctgcctccg ctttattcaa atacacaact accagaccaa gtcagctct tgtggtctca      900
      aggggtactca t                                                    911

      <210> 446
      <211> 910
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30     <220>
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      <400> 446
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      gcttgtttca gatgaagcgt cagagcatag ttattcacct cttaaagtct caactgttcc      180
      tggatttgag tgactagctg cctcagatgc tgcaattcct gactttgggtc ttccgattct      240
      ctttgccgct tctgctgtgt cactaccgct cgtttcagta aactgttttc ctgtacaata      300
45     gcttctaatt gctgcttcag catcatgttt tcctgttgga gattttgcat tgcgtcagta      360
      ccagtacgtg cattaattga cttctccaaa gcttnnaatg ctcttgacgc acgggctttg      420
      gcgtctttca tgtcagaagc attcatcatt tccctaacia aaagctcaac ccactctgta      480
      ccatccaagt tcaagacatt tggttcctcc ttggtgatc cttgctgttg aggttcaaca      540
      tttggttcct ggattacaac aggagattgg ttgtagcag aatcagaatt cttattggca      600
50     gattctaaac gaagctgatt caaacatcta atggtgaat caaggctatc tccacattcc      660
      tcgattgccc tctcaagaat ctgcttatcc atatcgggga aaatcgcggc gaggtgatcg      720
      agaagaagtg aggaagaagg aggaatcgga ggagaaaaac gagacgaaga agatgaagaa      780
      aagcaacgga gtttcttgga gacgggagga gaagcggcgg ctaagtcttc gaacagagat      840
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55     gatctctcaa                                                    910

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5 <210> 447
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10 <220>
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 atctagggat gtcaaggcaa actcgtttta tagcttaggt gtatgaacat tctgtttatt 180
 ttgagagcca gtagatgatt agaaacaacg tacaagcagc gatgacagcg gagaggataa 240
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 attcacttat gtcacccctg acagaactca gaagctcagc gtgttctctc aacgagttta 540
 25 tatttccttt tattcttoga aactcctggg tatattcatg aagtatatcc ctgtgccttg 600
 ctagtttttg agtaaccgat gttgtgggtg cagcagatgc agcacatcta ctcattggaat 660
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 cgcttagctt agcgtaagaa gagagcttaa cgtctagatc tccttcaatt ttacgagctt 840
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<210> 448
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 35 <212> DNA
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<220>
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 40 <222> (1)...(910)
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 tgagttgggtg acagattcag acaaagtact tttgaacttg ctttcatatc ctctacacgc 180
 tacattggct agccctgaag ctaagcctgc tgtggaagac aaacttcatg aagtagcagc 240
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 cttagggaga tagactggga agctttgaac aaagatgaga gtgtgcctct tgaatctaca 660
 55 gccacagtat caacctgaga aaactcccct tttttttttt ttttccttca atatttggtt 720
 agttgggtgag agaaagacag cccagagatt ttgattcctc gtgcatttct tgtttcccg 780

5 aacaaatggc acaaagaaat ttgtagatta taatgtatca gcaaagcaaa cttaggaaca 840
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<210> 449

10 <211> 910

<212> DNA

<213> Arabidopsis thaliana

<220>

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<222> (1)...(910)

<223> n = A,T,C or G

<400> 449

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25 cgagtccatc ttgaacattc cagctccaaa tgtgtagcct attggtacaa atagcatccc 360
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cttagcagcc gtagtagtaa tcgctggtgt tgttgttcct ccagtattcg tcgcccgtgt 840
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<210> 450

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45 <223> n = A,T,C or G

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cattgctgaa atgaagaagc taaagggttct gacaatcgca aatcacggtt tttatccagc 300
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55 atcatttttc atgtgtagtt tcggtgaggt tttctacgac acagaagata tagatgtctc 480
taaagctcta tcgaatttac aagagattga catagactac tgctatgatc ttgatgagtt 540

5	accatattgg	atccccgaag	ttgtttcatt	gaagacactt	agcatcacao	actgtaacaa	600
	gctctctcaa	cttcacagaag	ctatagggaa	cttgagtaga	ctagaagtgt	tgaggatgtg	660
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	tctggatatt	tctcattgct	taggattgag	aaagttgcct	caagagattg	gcaaactaca	780
	gaaactggag	aatatctcga	tgaggaagtg	ttcgggatgc	gagttgccgg	attcagtgan	840
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<211> 909

15 <212> DNA

<213> Arabidopsis thaliana

<400> 451

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	ctcaacatac	acatacacac	acattcacac	gtaaagatta	cttctgcttt	cagttagttc	180
	cttggcttat	taaaccaaga	tttctcttga	tcacatgcc	ttttccaagc	ctctctactc	240
	gtaatctcat	ccaccacttt	acgcacttta	gatctttttt	cgaacaattt	cttcggttga	300
	gttcccaaaa	ggtattgtat	gtttggtagg	tgatgaagat	caaccaaagt	aaagctatta	360
25	caagccaaga	atctagattc	ttcgagtcgt	ttctcgtaga	tatttagaac	tttctctaga	420
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	cacattgtta	gagttgccat	tgtctcgtga	cttctaagat	tcagaagctg	tgtgcctctt	600
	gagctatgaa	catatgcgat	gtattgtgtg	atggctcggg	attcatacag	cttaacactt	660
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	tggttcaccg	tttgcaattt	gacggttaata	ggctcgttaag	agagtctttt	ctcatggaga	780
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<210> 452

<211> 909

<212> DNA

<213> Arabidopsis thaliana

40

<400> 452

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	tacatcaaac	ttcaaataca	aatacaaaaa	caaaaagaac	atcactagag	atggatctct	180
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	catgattctg	agtctcttac	aagaagaaga	gaacatgtcc	catggaacat	caccaaccaa	420
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55	tccgggtaat	ccaagacata	gctctgtgtc	cttaagggtta	agctcgttga	ctttctcgtg	840

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<210> 453

<211> 909

10 <212> DNA

<213> Arabidopsis thaliana

<400> 453

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30

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<211> 908

<212> DNA

<213> Arabidopsis thaliana

35

<400> 454

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40 aagaaaaaaa aacgaaattt aaaactctat aaaagcagat aaatgtaaga aactccatct 240
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50 ctgtaattca ctgtgtacca atgagcagcg catttggaag ctgcgtaagg agatctgggg 840
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5 <213> Arabidopsis thaliana

<400> 455

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	ggtgtggaga	atgtattcag	catagaggte	cattgagtag	tggatagctt	caaccgcaga	240
	ctcagatggc	agaaaatcat	tactgcaac	ttccttggtc	tcgtttttct	tgtagtcttc	300
	gaagaaacga	cggatttcag	agagacgggtg	aggaggaagt	tctttgatgt	cagtgtagt	360
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15	aatcataggc	attaatccaa	tggtctctggc	acgcagaaaa	caaccgcgaa	gcacagggtc	480
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	accatagtgt	tgaggggtaca	caactgatga	gtagagaata	cgatcaacct	tgtagtgtcc	600
	tgtctttttg	tcaagctcgt	atttgacctt	gcttccttta	gtgatctcaa	caaccacatt	660
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25 <210> 456

<211> 908

<212> DNA

<213> Arabidopsis thaliana

30 <400> 456

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	gcatttggtg	agcgcctgaa	gatcggagg	tgggaagtga	gcaacaagat	cagtgcctgg	180
	gtgagctcaa	tgagctttta	agtgaaggaa	ctttttcaag	gtccaaacct	aactgataaa	240
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	atttgtgata	tgataaatca	agagacaatt	aatagcggtg	agttgatccg	tgggtataaa	360
	aagaggatta	tgatgaagca	gccgaggatt	cagtaccttg	ccttggtttt	gctcgagacg	420
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	gagcagacaa	aggaagcttt	tgatatagca	agaaacagca	ttgaacttct	ttccacgggt	840
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<211> 907

50 <212> DNA

<213> Arabidopsis thaliana

<400> 457

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	taagaccagg	cgttgttagc	cacaggatca	gccaaatgat	caaataagtt	ctcaatggga	180

5	cctttaccag taacaatggc ttggacaaag aatccaaaca tagagaacat ggcaagacga	240
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	ccgattctgt agccttcaat gaaccccatg agcacaactt gaacagccca gatggctaag	420
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15	atgggtcacac ggccaccgcc caagacgccc accttttggg tgaggtcgct ggagggcttg	840
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20 <210> 458
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	ccccaatata tatataaagt ttatatattat ccttccaacc aatcaaagat gcatgtacta	180
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	tcgatctggg caacaccaa tccgtcaccc ttggattgaa caagatcaac gatctcgttg	480
	agagattgga gtctggtgtc aagctcctcc atctgagcgg tgagaacaga gttctcggct	540
	tggatcttca tgtaaagctg agatgttacg gtgaggctgt tcaagatctg acggttgctg	600
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	gacctacgtg cagattctct gttcgataac attcttttac gttttcgttc gtcgacgggtg	720
	acgacggagt ccgacgggtt attattacca ccgtcggaag agcttgagct ccggtatgtg	780
	ctgctagatg acgccattga tttttaacaa gaaaagttac aagaagacaa aaaaaggaca	840
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 45 <213> Arabidopsis thaliana

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	ttcatctata tgcagaaaac cttatcata ttcaattgat atggctacag atttcacttc	180
	acatggtagt tccaacatca tctccatcat gccagatgac accttatccg tagatggtga	240

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<212> DNA

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5  tcatggaagt cagcaccgcc gtatagagga agaaaattcg aggggctcca tgggaaatga      360
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10 aaatcctcaa tgatgaagta gaataagatc tgggcagaca ccactttcca ggacggcaga      660
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   aacatcgaat gtccggtaca aagcaagaca aagaatcagc gcaaaagcag ctcttgctca      360
   cccatatttc gatagacaag gattgctcgc gttgtccgct atgcaaaact tgagaatgca      420
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   gcttcagagg aagcttgtga aaacagtcac tgagaccata gatgagatta gcgatggccg      660
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   cttagtaaaa tttctactac ttgtaaaatc aagtaatctt aaagaaaaag atgtattgta      840
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   aaaa                                          904

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10 tttggatctt ttctcccact ctttcttggt gttctttgac cctctcctgg agtttcttta 720
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	gacaagtaga	ttgtagcttg	gggatncaat	tggcgttttc	gggcacggat	aagcactaca	660
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	actccaatct	aaaggactca	ctaaccaacc	cattcaagaa	catcttctga	tgactttctt	780
15	tctcctttgt	gtgttgctac	tcttgtaatt	ttgtattatt	ttttcacctg	ctttctttgt	840
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<210> 468

20 <211> 901

<212> DNA

<213> Arabidopsis thaliana

<220>

25 <221> misc_feature

<222> (1)...(901)

<223> n = A,T,C or G

<400> 468

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	atgctcagaa	actccgtcaa	atcccagttc	tctatcgccg	tcaaacctga	ctcaacattc	180
	tctccgtcgc	taacggcgta	actctcctcc	ttcttttagca	ctttcttcac	caccttcaat	240
	tcctcctcct	cgctgtctct	cttcggtttg	tacagnnnac	gaccatcttc	agcgcggtga	300
35	ttccacttgt	caacttcaag	cgggnnnanc	agaannnnnn	ntgatcctcg	tagtctaaac	360
	gcttctttgt	cgtaagctct	agccgcttcg	atcgccgtct	caaacgtccc	aagccaaacc	420
	cgagttccac	gacgagtcgg	atctcggatc	tccgcgcgca	atcttcccca	cggcctcatc	480
	ctcactcctc	tgtaatgcct	cttctcttct	gctgctacaa	ccggttcggg	aagttccggg	540
	ttaggatttc	cggttgcgaa	ttgaatccac	ttgggtcggg	tcgggtggtgc	gatcttcaac	600
40	ggcgggtttc	gattggattg	aacagtgcga	cgaggaggat	tcgattggaa	cgtgaaggaa	660
	tcgttcgatt	caattgaaat	ttcagatttc	acctcgaaat	cagaaatctc	cggtttgagg	720
	gtgacgagat	cgattatttc	cggtttggtt	tcaaattcag	aaaactcgaa	accggtttga	780
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<210> 469

<211> 900

<212> DNA

50 <213> Arabidopsis thaliana

<400> 469

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	cccaattcca	aagccactat	cggcgtcgag	tttcagactc	agagcatgct	catcgacggc	180
	aaagaggtca	aagctcagat	ttgggatacc	gccggtcagg	aacgcttccg	cgccgttaca	240

5 tctgcttatt accgtggcgc cgttggagcc ctctgctct acgatatcac tcgtagctcc 300
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 10 cgaaagcaat tgaactctga ttcttacaaa gaggagctga ctgtgaatcg tgtagcttg 600
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 aacggtttct ctttgcctg aggattgggt tcgggttgaa ttgtgttcct ggtaaactta 720
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 atgttttgag tttctttgtt acgcatacag aaaaagtttg gttagtgtat aagttatgtt 840
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<210> 470
 <211> 900
 20 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 25 <222> (1)...(900)
 <223> n = A,T,C or G

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 ctaggcataa gtgaagaaga agatgaagaa gaccgagggtg tgtctaagca aatggattgc 180
 ctccagtaaa tgcaacaggg ccttgtgctg ctgaattcgt tgatgcttgc cctgccatgt 240
 atgctaagcc accttgtgcg actgctggag caggtaagta cgaggggtaca gaatctgcag 300
 cgagccacgg ttgtgataca ccattaagga aggccttggtg tgtctggata tnnngcagtg 360
 35 ccccttgtaa cgaactcatg tccaagaaca tgtcatttga gtcgaactca gaatcatagg 420
 ggagatcaaa tggattagct gacttttgtt catttacatg ctgccaaagc ncttccgagt 480
 atgatgggtg catgccata tttcctggaa aaccaaagc agaagagcca gcagggattc 540
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 gatcagtgtt atatgacgaa gtacttgctc catctacctg ttggtgaata ttctactgc 660
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 caacatcttt tagaacattc gagagatctt cctgccatgg acttggtatc gacaaagcat 780
 gctgggtccac agttgatgga taggggtggca attgcatgct tgtgctaggc tgtagaatct 840
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45 <210> 471
 <211> 899
 <212> DNA
 <213> Arabidopsis thaliana

50 <220>
 <221> misc_feature
 <222> (1)...(899)
 <223> n = A,T,C or G

55 <400> 471

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	aatcatcaag	attacacact	gattttctcg	taactatata	caatcttccg	gtccctttca	180
	ttttcctcca	aagccaaagc	agcaacatga	ggaagtgttg	ttcgggttac	gggagctttg	240
	atgagtcggc	gttcttgaag	atccactcac	atttgctcca	gaacttctct	cttcacggac	300
10	tttattgaag	atatgcgtgt	atccgtcagc	tgatgacggg	ttgttctcgt	cccagtcacc	360
	gaatttaggc	accactgtga	ctttttcagg	actttcatca	gctctaaggt	tggtaggttt	420
	aggcctagat	tttccagtac	catcataaga	attcttatgc	aaaggtgact	tggtgtcata	480
	actattgttc	tgagaagctc	ttccttgtct	tttgtagca	gcttcatttg	atgaaccacc	540
	agcatnncca	aactgtttca	actcgtctct	ttctcggctt	ctcatatgct	cacgtgatct	600
15	tctaaccgtg	tcaacttgct	caggtttggt	tctggaagaa	ggaggatgag	gaggagcttg	660
	tgattgagag	tcagagttat	actccgggtc	attcgggttc	atgatcttgc	taccgggtgc	720
	tcgagtcctta	cgagctttgt	caaagtaagc	tgtgtaagga	acattctcct	cagcttccca	780
	gtttccaaat	tttggtacat	tcgaacgtgc	catgggagag	aggtagctaa	agaattgaag	840
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<210> 472

<211> 898

<212> DNA

<213> Arabidopsis thaliana

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	acgcaggaat	agaggaagaa	tttggatttg	atctttaaga	tctcactcat	tcttgattac	180
30	tttttgcag	ttgtcactcc	aacaacaaca	ttgtccacca	actttccgct	ttcatcaacg	240
	gacatggggg	tttctacaac	aacggtttgg	gtctgagagg	gtgggtgttg	agttgatgta	300
	gaggggggac	aagctgttcc	atttggccgg	ttagttggga	gaggtaccct	tccattgctc	360
	atactaacgt	tagttacgaa	ttgacaaaca	gcgcattcga	cggatgatgc	accgtaagga	420
	tacatgaggg	tcgtccgaca	atgcccacaa	ttgatctcgc	caacctgact	ggaaggagca	480
35	tgggcaacct	gattggagtg	cgctggcaca	aggttcgtag	tttgacagca	agagcatctt	540
	acgctactag	ccccacgcgt	atacataagc	attgttctac	aaccaccaca	tataatgtgt	600
	gccatgtcgt	gaggtggagg	aggaggagga	accatgttga	tagtgttaca	taacgcacaa	660
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40	caaagccaaa	aacttcgatt	ggagaagggg	aaggaatcga	atccaaaacc	cgcgaaagct	840
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<210> 473

<211> 898

<212> DNA

<213> Arabidopsis thaliana

	<400> 473						
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	ttaatatcaa	cggccagctt	caatgtccaa	tggtgttaca	tttctgatgc	tgatcatgcc	180
	aatgctgcta	ctggtttcgc	cttgtgctga	caagatttga	acgccgagca	agtgttcaat	240
	ctccccgtgc	tcacgatact	gatccgacca	cttatattta	gttgttttaa	ctctcaaggc	300
	ctctaactct	gcagctactt	ctttcatcct	tggcctttcc	tctccatta	gccttgtaga	360
55	ctctgcagca	attcttgag	cttcttgat	ctctctctgg	ttatcctcat	tcactcattg	420
	cccatcaata	atttcatgga	acctattatt	ctttgtggca	gaagcaaaac	aactcactag	480

5	atTTTTTTggg	caatgtgggc	tttcgaaaca	caatgccttt	tgacctgaga	gcagttccat	540
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	ttctgggtct	aggtaacct	gagtgccctg	cactattggt	gtgagctgct	ctttatccat	660
	cggatatcaat	cttgatgcac	caaagtcagc	tacttttgca	gttaagtttt	tatccaggag	720
	aatattagca	gtcttgatat	ctcgggtggat	gattggaata	gaagcagaag	agtgaagata	780
10	tgcaagactt	cctgctactt	ctgttgctat	cctcagacgg	tgctcccatg	taagtgaaga	840
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<210> 474

<211> 898

15 <212> DNA

<213> Arabidopsis thaliana

<400> 474

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	aataaattat	gcagtcagac	atagagaact	aaaataaacg	gtttatgaag	aagaagaaga	180
	aggaaaagca	aaaataaata	atgatttgag	aatgagagaa	agagaattta	aaaccaatct	240
	aaaccgggct	atcagagctt	ctgatcatct	ccggcgagga	ggctctgtta	ccagaaccag	300
	gaccggaccc	tgaaggtcga	atctcctcca	tcattgttaac	cacttcctcc	attgaaggcc	360
25	tagaatctgg	atgcttagac	acacatgcc	ttgctatctg	caacatctgc	accatttctt	420
	cctctacgtt	gtgttgctgc	ttgatcagct	ctacgtcaaa	cacttctcca	gtccactcct	480
	ctctcaccac	tgattgcacc	cactttggca	gatccaccac	ttcttcatgc	ccagtagtct	540
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	acttctgggt	atgtttccgt	gtttctatgg	cctcgggtgc	tctgtaacct	aagcttcttg	660
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	cagatgcaga	atggatgtga	gaaattcccc	tcgcagcttc	caaacagatc	cttaaccttg	840
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35 <210> 475

<211> 897

<212> DNA

<213> Arabidopsis thaliana

40 <220>

<221> misc_feature

<222> (1)...(897)

<223> n = A,T,C or G

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	aaactttttac	atttcagtac	gaatacttcc	tcctagaaaa	atgactacaa	aatcttgaat	180
	ttggattcca	gaataattct	ccaaccttgc	tttatcccga	gaccattcgt	cgtttcggta	240
50	gagctcacat	caaactatcc	acagtattgc	aacaaatgat	ctcacaagaa	gaagaaagtc	300
	cttgaacttg	atcatccaca	atagtttctg	atgacataaa	agtatgcata	ccatagatca	360
	catctaagga	ttatgccctg	taaccttata	cttcacgaat	acaattttatc	gacaaaaaga	420
	ctgaaactct	agctaaactt	catcctccta	attgaaatca	aatatctcct	aattccaaat	480
	ccttaatctt	caccctccta	actccactaa	ctaaacattc	ctaagtcaaa	ccaactatcc	540
55	aatatgtcca	gaagaaacag	tataataaac	tcgaattgct	acataatcta	tcaagagcta	600
	gatttgga	agcaatagat	caaagcaagc	ttctttgact	ccttaagaca	atgaaagcta	660

5	naaatatata	tgtatcacca	aatgctcaac	atcttctctg	attctataag	caaggattta	720
	aaacaacaga	ctctgattat	attcaacact	cccaaggaat	taaaccctaaa	atcaaaacat	780
	gatctttctc	tgcacaaaaa	cgggaaaaat	aaaaacttta	caacaacaaa	tcagaaaaac	840
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10 <210> 476
 <211> 897
 <212> DNA
 <213> Arabidopsis thaliana

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	ttcctctctc	atcaccaaaa	caatgctttc	tctatgaact	tcggcgactc	cgccgtctta	180
	gcttacgctc	gccaagaaac	ctctcttcgt	caaagggttg	tctgtggact	agatgggatc	240
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	tctgggaaga	actcaaacga	ggcaatgttt	gtgatcgaag	cttatcgaac	acttcgtgat	360
	cgtggctcct	accagcaga	tcaagttcct	agaggctctg	agggaagctt	cgctttcggt	420
	gtctacgata	ctcaaacttc	ctctgttttc	tcagctctga	gttctgatgg	aggagagagt	480
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25	aagcaaggct	gtgctaaatc	gtttgctcct	ttccctaata	gatgtatggt	tcatagttag	600
	acagggctta	agagctttga	ccatccgact	aatatgatga	aggcaatgcc	gaggattgat	660
	agtgaagggt	ttctttgtgg	agctagtttc	aaagttgatg	cttgttctaa	gatcaatagt	720
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	tagtttcggt	aactcttgct	tctttgttgc	gttttctttt	tatgtactct	tgtttatgta	840
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<210> 477
 <211> 896
 <212> DNA
 35 <213> Arabidopsis thaliana

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	gatgaaacga	accggttggg	gctcccaa	ctgtgataat	gttctcttgg	tgatgggttag	240
	acaaaaacga	cgacgtatct	agcgttggaa	cagctgaaga	tcggtccaag	tttccgcacg	300
	acggttggtta	tctactagcg	agacggtgtg	gctccggctt	cacaatcggt	gcgaaaatgc	360
	tggttgaaga	accgaggaac	ttagctccgg	tgacttgttg	aaccatctgc	cggaaattag	420
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	cgcttgctaa	tcctccgcac	gacgccatga	ttgttaagta	agtaaatcac	cggagaagaa	840
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 55 <211> 896
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5 <213> Arabidopsis thaliana

<400> 478

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	cggctggtca	agaatccttt	aggtctatta	caaggtcata	ctatagagga	gctgcagggg	300
	cattgcttgt	ctatgatatc	acaaggaggg	agacatttaa	ccatctagct	agctggctag	360
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	tttctatagt	tgtaaatcgt	tttggaattc	gatttggtga	ctggtgtggt	tggttttgga	840
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<210> 479

25 <211> 896

<212> DNA

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<222> (1) ... (896)

<223> n = A,T,C or G

<400> 479

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	tatagaggag	gttggttggc	ttttcactgg	cgggtgttggc	tccctcagca	acgtcggcca	180
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<210> 480

<211> 895

<212> DNA

<213> Arabidopsis thaliana

55

<220>

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 <223> n = A,T,C or G

<400> 480
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 atgttcaatc taattaagct taatgtgatc ttgcaaagaa aagaaaaatc aatatggcgt 180
 cttcttgctt ttttagtact tttacagttt tactatataa ttggttttgt ttagtcaata 240
 tattttgaag gcatgaacta atataaacta tgattatgca gtctcatccg aaactatcat 300
 15 ccgaggatag aacaaaacta tgcgatgtc taaactacaa gaaattgaca ttggacacat 360
 gcaacaact tgcaaaaaat cccaagatcc ctccaaatat tgcagttcaa gcactcaagt 420
 cacaacaatt atcaaacgag actcgaccac actcaagaga ggacaagaac aaagtaaaca 480
 agatctggaa ttcacgtaag tacttagaag agaaaccaat actggtgtgt ttgaaagggt 540
 ttgatatgtc ggagaagttt gaagatgatc taatgatgaa tttnnagagg aagcaatgga 600
 20 ataattctga aaaagttagt aaggagaaga agagtgaagt aatgtcaaga tctgtgagac 660
 atggacatac acattcaagt tctagttttc caaggctttg ttaaataatt aattcactcg 720
 tcatnnnttt cttattttctc tagatataga tttttatgtc atcatatcat catcacacac 780
 atgcacgtct cgtgtatatt ataagctttt tcatgcaaaa tgtattttac gtagttttga 840
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25 <210> 481
 <211> 895
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 481
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 aaggagaaat gagtcatgca tatttagatc caacgattat aagaagacat aacgaacagc 180
 35 tgaggaaactg ctaatgctct gtctcaatca ggatgtgcag tttaggaatg caagtctact 240
 aaccttgcac tacatatgat cttctagcga gccacatcat aagcctgggtc tgcacgtac 300
 tgatttgagc gacaatgata tcaactgtgct gttcctggag cagctgcata gccagctgat 360
 tgagttgctg attgctcata gccggcctga ggaggtgcag tctgggaata agcgggtttgg 420
 ccagtaggtg cagcatatgc tgatgcgttt ccacctccat agctaggata ctgagagcca 480
 40 atgtatccat agtttccatt gctttgagcc ggggtattac cataagccgg ctgtgtggag 540
 ggatacgaac tatagccacc ggttggaggt acttgcctgt acccacctga agtttgttgc 600
 acaccagaag ctggctgagc accgtgctgc tcataagctg gggcaactgc tgggtggtgt 660
 gtaccattat aaccatcaga tgggtgctgca gagctatatg aaggataagt ttgctgagta 720
 ggcgcacttg atgcataacc atattgctgt tgttgagcca tgtttgaacc atacgatggt 780
 45 gctgctggag ttgaaccata cgatgctgct gctggtgttg aaccatatga cgggtgctgct 840
 ggtggtggac cttggtgaag cacatcacca ggaggtgctg caggccttgg aggcc 895

<210> 482
 <211> 895
 50 <212> DNA
 <213> Arabidopsis thaliana

<400> 482
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 ttgcaaagag gaaggccatt gccaaaattc acattacggt gtcttaaaag tgtacatcac 120
 aagataacaa gagacaaaag gaaaatttgc agtgttctca tgaattggtt caaccaagga 180

5	tggggaagat	gcgggcaatg	tgttccaagg	gaacattctc	acctgtat	ttcttgagct	240
	ccggatgggt	aaattcattt	tgtggtgaaga	caatacttcc	accctctttc	tcaacaatcc	300
	atccactggt	agtcacttgc	tgctcgatga	atgtgtctag	agatgcacca	tccatgttaa	360
	cagcctcagc	cagcactgat	cttggaacct	tttggtagct	taagctaaga	agggtgacttg	420
	catatgcttg	aatagcttgc	tcaaaacctg	gaacagcctc	gagaatgtga	cgggttcttgg	480
10	cagcttcac	ccagaactgt	tggaaacctc	cagtctcaag	gtagtgtgat	agaacaatta	540
	gtgacttgaa	ctgctcctcc	atgtgcactc	tttcgggaat	caagaagagg	caaaggctga	600
	agtctggagt	tggcatagcc	ataagagcct	tgaccaagat	tcgagccacg	atatgagtgt	660
	tcatgcgctc	aggctcaaac	tgatagagcc	gaagcaagca	taggtttact	tccagactat	720
	acgtttgcga	tgtaacgtta	acgtagtttt	cgagatcagg	caggatttca	gggttgaaaag	780
15	gattaagggc	gacgagctgc	tcaacggtgt	aagagctctg	ttcctgcggc	gattggatct	840
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<210> 483

<211> 895

20 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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	agtcctcaaa	tgaattggta	aaggaaagct	ttaatctcat	caatataagg	agactttgta	180
	ggaatgatgt	ggccaaaatc	gtgctcaaca	atgggtggcg	aaccatcttc	aaacaacccc	240
	gccaggctctg	agctggcttg	agtcacaatt	tgtctgtctt	ttccaggctg	acttccgaat	300
	atgtgaagtg	aagggcattt	aatcgatcgt	ttctccttca	tctccaacaa	tggccacggg	360
30	gtgaaacccg	agcacaacac	gcagaatctg	aagtctat	cacctacgag	ctgctcctgt	420
	ttcccacata	cagccgcagc	cattgctgca	ccttgagaga	atccgagaat	gccatcaaaa	480
	ggccctttct	cttcaaagtc	cgtcttcaag	tatgtcaacg	atcttatcaa	cccttcagtt	540
	tgagtctgat	actgcaatgg	atcgaactgg	cattggggcca	ctgtccagcc	tgtttcactc	600
	gggtttatcaa	aatctgatga	caccaaccac	gcaaaactct	tattgcatgc	tccggatgga	660
35	ggggtagcag	tttggttagat	gaactgtaat	tcgtgtgggtg	catcgatgaa	cacaagctcg	720
	gcaatattct	tcagtttctt	tgctagtgat	cgggtcctcc	ctttaaagct	agacgcgttc	780
	tgcctaaatc	catgcaagca	caagatcctc	agcttccgtc	ttgtattgtc	accattgctt	840
	tcagaagggt	ggtttaaggg	atcaagactc	aaagggactt	cccccgagcg	cgtgg	895

40 <210> 484

<211> 894

<212> DNA

<213> Arabidopsis thaliana

45 <220>

<221> misc_feature

<222> (1)...(894)

<223> n = A,T,C or G

50 <400> 484

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	tccgggggaa	acaaatanna	aaactcagga	gagttattta	agataagcaa	annangatac	180
	atcttaaaact	gatgccattt	cgttttttcag	tttcatgtag	acacaacctt	cttcaccact	240
55	tttgtaacct	cttccggggc	cttctctgcc	ggtatgttca	ccagattctc	cttcttcgca	300
	taatagtcaa	ttaccgggtg	cgtctgcttg	tggaaatgcat	ctagccttga	tctaagaaca	360

5 tccgcattgt catcttttacg ttgaatcaat ggctctccag tcagatcatc gactcctgga 420
acttttaggag gtgcgaattht agtatgatag cttcttccac ttgaagggtg aatccacctt 480
ccagtaattc tttcttcogag aaccgaatca tcgatcgcaa aattaagcac cttatctatc 540
tgagctcccc ttctattaag catctcatca agcttctctg cttgagtcac agtccgcggg 600
aaccatcaa gaatgaaacc tttctgacat ttgggtctgt tcattgcttc atccatgata 660
10 ccaacaacca agtcatcaga aacaagctct cccttatcca ttgcttcctt tgccttcaca 720
ccnagaggag tcttagcagc aacagcagct cnnngcatgt cannagtaga caaatgacac 780
aaacaaaact catcctttat gaccggagac tgtgtacctt tccctgaacc aggtggaccg 840
atgaaaacga gacgtttgtc aggttttagag gcacatttca tacggcgaag aagc 894

15 <210> 485
<211> 894
<212> DNA
<213> Arabidopsis thaliana

20 <220>
<221> misc_feature
<222> (1)...(894)
<223> n = A,T,C or G

25 <400> 485
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gtttccggtta ctagtgactc ttaccatcgc cgtcatgtct tccgtgaaca tcgtcgnnnc 180
tgaaaaatca ttctcctaga cttttttttt ttctnnntct ctttgnnatt attattcttt 240
30 gcttcgthtt tgnaagaag atgatccgcn gatttcagaa gttttcttct tctggthttt 300
agctgagagg ttttggtaga ttctgtthnt tcttcttctt ctgtgthttt cgaatcnagt 360
tttggaattt ttgaagattt tgthtagttt ctgttgaaaga gatctgagat atttgaacga 420
agcagagtgt atatgaaatc aaatctgtga aaatttcttt gaatttgaat tgactttgga 480
cttgtagagc aagtttagatc ttcttcttct tgagctatgc catttacgat gaagatccaa 540
35 ccgattgata tcgattcttc accaaccgta gctagagctg aatcaggaaa caaacgggtg 600
ctcaaattct gtctcaaacg tttgtttgat cggccgthta caaacgtatt gagaaactca 660
acaactacaa ccaccgagaa accattcgth gtcaccgggt gtgaagthta atgcccggga 720
gtagtgacgg agttcgagcc gagttctgth tgcttagcga agatggtaca gaacttcatt 780
gaagaaaaca acgagaaaaca agctaaatgt ggacgtaatc gttgtaattg ctttaacggc 840
40 aacaacgatg gttcttccga tgatgaatca gatctattct gtggttcaat cgac 894

<210> 486
<211> 894
<212> DNA

45 <213> Arabidopsis thaliana

<400> 486
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50 attgattggt atcctggaaa atgcttaact cagaagattc ttaagaagaa gcctaagaaa 180
ggtgcaaaga atgccaaacc aattacaaa actgaagatt gtgaaagctt cttcaacttc 240
ttcaatcctc cccaagthtc tgatgatgat gaagacattg acgaagaaag agccgaggaa 300
cttcagaatc tgatggaaca agattatgac attggttcta caatccggga gaagatcata 360
cctcatgctg tctcatggtt tactggtgag gctattgagg gagaggagth tgaaatagac 420
55 aatgacgatg aagatgatat cgatgaggat gaagatgagg atgaagaaga tgaagacgaa 480
gatgaggaag aagacgacga agatgaggag gaagaagtaa gcaagaccaa aaagaagcca 540

5 tcagtcttac acaagaaagg agggagacct caggttaccg atgatcaaca aggagagagg 600
 cctcctgaat gcaaacaaca gtaaacaaaa tcgaaaagtc taaacgaaaa ccagtaaaaag 660
 aaaaacaaat gttttggggt ttgagtgaag tttcatggcc tagttttttg cttccatgta 720
 aggcaaaatg ttttgaagac tgctcatagg aatgttgctg taggcaaaag agtgagtttc 780
 tccatgtgga gatacttgat aaattatatt tggtgcattt gttttttttt ttttttaatc 840
 10 actaagttga attttgggtg gttcgtcaaa attatatctt tttaccactt gaca 894

<210> 487

<211> 894

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1) ... (894)

20 <223> n = A,T,C or G

<400> 487

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 25 tcatcaccca aaacttgaag agaaaaaaag acagtgaata agcaatagaa aacgaaagtt 120
 taaactttca attaagtaga gcagcaacct cttttgccag ctccagatgt gtcttcaacg 180
 ttaatcggtg ttccttgccc cggaatggca gaattagcag ccgctgcttc ttgagcagcc 240
 aaagcttttt tgctgatgat gtggtaaatc tctgctaaca cggtttgaaa tgctttctcc 300
 acattgggtg cttcaagagc agatgtctcc aagaaagaga gaccttctgt ctcagctaga 360
 gtctgtccat ctccctccgc aactgatctc aagtggttta gatcagcttt gttcccagcc 420
 30 atcatgatca caatgttgga atccgcacgg tctcttagtt cactagacca cctcagaaca 480
 ttgtcaaagg tttgtctttt agtgatgtca tagacaagaa gtgcacctac cgctcctctg 540
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 ttaacagtct ttccttcaac ctgaagagtt ctggtggcga attcaacacc aatagtggac 660
 ttagattcca aacaaaactc attccnngtg aatctagaca agatgtttgt tttcccagaca 720
 35 ccagaatcac caatcaacac gatcttgaac aaataatcat aatcctgttc taccctatgc 780
 gccatttttc ctctttgatc tcaccttttg ttttttttcc tggaaaaatg gcggatgaat 840
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<210> 488

40 <211> 894

<212> DNA

<213> Arabidopsis thaliana

<400> 488

45 tgtaaccatt ccacatttcg aaatcaactt ctacagatgt acgaggtaac aacttcaaatt 60
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 agaggaaaga agatgaccat tgaaaacaaa tagtgtatcg atgagcggct tttctatcca 180
 caagttcgcg atcctgtatg ttactggcca atactcccca agagtcgttc tacagcagcg 240
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 50 atttcttgca actggtgcaa ctgagtcgca aatcgctctt caggaggaac attgggttgg 360
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 cctccgttat tggctgtccc tgtcgcagca ccagtttgcg taggatcctg gccagccgtg 480
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 55 tctagcatgc ttcggagttg tgggttaaga ctcataagct gattcatgta ctgtggattg 660
 gaaagtacgc tttgcatcat ctgcgacata gcgggggttt gcagtatttg gctcaattga 720

5 gaagcatctg gagtcgcacc aagaggtgag tccgctccca gcataccgag tccaccaagg 780
 cctccaagcc caccaagacc accaagtcca gcatttgtcc ttccaggggc agttgtctgg 840
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<210> 489

10 <211> 893

<212> DNA

<213> Arabidopsis thaliana

<400> 489

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 aaaggagaaa attgtagttt cagaaagagt agtctttcaa atctgctcta gagtcgtcca 180
 tgtcaatctc agacatgcat tcgtcagcac taataggagg gagtttccga gtcttacgct 240
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 25 ccggttccat ctgcagaca gtggacatct gtgttccaga ttctgtcttg gagacaacac 660
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 gacgcagtct cattggagaa cgctttatag ggaagtgtt ttgcagctca cggatgacat 780
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30

<210> 490

<211> 893

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<222> (1)...(893)

<223> n = A,T,C or G

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<400> 490

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 45 gaatcaagaa tggtagtggt gtttaaattg agacaacaac agatgacaaa aggtcaacgt 240
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 50 agtcattgca aggtccttcc taacgggttt cttcgtggca agtgatagta angatgtgat 540
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 55 acccattgat gtccaagcta gaccatcac aacacctacc ggtgtctgct catagagctt 840
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5

<210> 491
<211> 893
<212> DNA
<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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25 agggttacac caaccacat tgtcactagg ctgagcaaag ttcggaggac agaaattagt 540
cgcagtgatg aagattgaag gactaccaga atggcaccat tttggatcac tagcacattt 600
gagctcaaaa caagcaccac agctaaaacc attggtgaac agagccgtgc ttaaagccgc 660
cgtgttcaca ccatagcctt ggctgtataa gttaccataa ccacaagctc ctcccattgt 720
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30 gtaaactcct gggattcttg cttcagacaa tgcaagaatt gtagtaagaa cagataaaaac 840
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<210> 492
<211> 893
35 <212> DNA
<213> Arabidopsis thaliana

<400> 492
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tgtgtttctc tgcctttgct gagcgcaatg acgggacctt cagagttgga ctgaaaaaac 180
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gtataacatt tgttgtagct aaatttgatg gtatccttgg tcttggattc caagagatct 660
50 ctggttgaaa agctgctcct gtttgggaca acatgctcaa gcaaggcctt atcaaggagc 720
cgggttttct attttggctt aaccgtaatg cagatgaaga agaaggtggg gaacttgat 780
ttggaggtgt tgatccaaat catttcaagg gcaaacatac atatgttcct gtgacacaaa 840
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55 <210> 493
<211> 893

5 <212> DNA
 <213> Arabidopsis thaliana

<400> 493

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	gtaaatatac	atcataaaaa	tggggcta	taccagaaa	aataaagtag	taattacata	180
	atgaaaaaaa	aaaatccttg	tttgtaaata	aacaaatata	acaccataaa	ctgaatttga	240
	tcatttttat	aataaaaata	aataattcaa	attaagtttg	atttctttca	tcgggctgat	300
	gaataagtga	aacttgtatt	tcttcgagtg	ataatccttt	cgtttctgga	acgagcaacc	360
15	atataaaaag	caacgctgct	ccaccgatac	ccgcgaatat	gaaaaacggt	ccttgagtgc	420
	tccattcgaa	cagaaagttg	aaagcgtaag	tgacgattga	actacttgaa	aatgagacta	480
	acgtaactat	acttctgca	gttactttta	tatttattgg	aaatatctcc	gacataatta	540
	cccaaggtag	acctcccaag	cctattgcat	aagttgcaat	atacatcatt	acgcatataa	600
	acgataatat	tggagttagt	tccgaaagca	attgcatttt	ctgtaatgtg	aaggcgaccc	660
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	tcgtcgttcc	aatggccacc	gaaaaaccag	cttttctaaa	aatggtactt	gcataagaga	840
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30 <220>
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<223> n = A,T,C or G

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15 <212> DNA

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<220>

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20 <222> (1)...(888)

<223> n = A,T,C or G

<400> 502

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45 <400> 503

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	aatagcatat	cagatggatc	attcagcgtg	gtctctgtcc	aggctcgatc	tcaactgtga	300
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	tnnctgtcga	tgctctgttt	ctaattgtaca	gtaggagagg	aaaagaaacc	tcatgaagaa	840
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20 <211> 881

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15 <212> DNA

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<220>

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20 <222> (1) ... (874)

<223> n = A,T,C or G

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40 <210> 551

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45 <220>

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<223> n = A,T,C or G

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	tcccaaattc	catgtactac	attccttgat	cactattcat	ttctgatttt	atgtattgag	840
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	gatgagtgtc	ataaagaagg	ctggagacct	ttgttagata	gcattcctga	aaatgtatgt	660
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<211> 873

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15 <222> (1)...(873)

<223> n = A,T,C or G

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	gcaatagaca	aatctgggaa	cagcttccga	agaatgtcta	taatgtcggt	tacactcata	300
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25	accaaggcga	catctcttac	gtccgagaa	ctgtagtata	ttttattgaa	agggttctta	420
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	ccgcaaataa	atccaggatt	caacacaacc	atgtcgatcc	cattgtcttt	ggcaaattgc	540
	cacgctgcat	tctcggccaa	aatcttggag	agtgaatacc	aattctttgt	ctccctgcat	600
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35 <210> 555

<211> 873

<212> DNA

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<223> n = A,T,C or G

45 <400> 555

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 <212> DNA
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 <223> n = A,T,C or G

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40 <213> Arabidopsis thaliana

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15 <222> (1)...(872)

<223> n = A,T,C or G

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<223> n = A,T,C or G

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40 <213> Arabidopsis thaliana

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 35 <213> Arabidopsis thaliana

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 55 <211> 869
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5 <213> Arabidopsis thaliana

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25 <211> 868

<212> DNA

<213> Arabidopsis thaliana

<400> 567

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45

<210> 568

<211> 867

<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<222> (1)...(867)

<223> n = A,T,C or G

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<400> 568

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   ctcatagggg tgcgtcacacg ttactatata tacctgtgtg accataatac aggatccatc      240
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<210> 569

<211> 867

<212> DNA

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<210> 570

<211> 867

<212> DNA

<213> Arabidopsis thaliana

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<221> misc_feature

<222> (1)...(867)

<223> n = A,T,C or G

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<210> 571

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25 <222> (1)...(867)

<223> n = A,T,C or G

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<211> 866

<212> DNA

<213> Arabidopsis thaliana

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15 <212> DNA

<213> Arabidopsis thaliana

<400> 575

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	tctgaaacaa	aaacagaatg	caaaattctg	agatggaaga	aggataagaa	gagagagctc	180
	aaaagattct	ttgtgggtgg	cccatgggtg	tcttcaagta	caaacacctt	acgttttgcc	240
	aattcttctt	caagagcgag	acgaggaagt	taacactcat	ctgcacattc	tggaagagct	300
	gcttctcttc	catggaaagg	ttaccaacag	caacacccat	acacagaact	ttcttcaact	360
25	ggaacttcac	tggtgctttg	gtctcattca	cctttgcttc	caatgactct	tggtgactca	420
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	tcttgttctt	gttaagcttt	ttcaaagcct	caacatccat	gttactaagt	cccattttct	600
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30	tatgtgggag	cttcacagat	ccactgaaac	gcttatcctt	ttgtgggtca	tagttcttca	720
	gaccaatctg	aagctccact	gtctcaacaa	agttacgctt	cttctcctca	gattttccct	780
	tgatagtcgt	tatggcttct	ctaacagcct	cactctgaag	cttactcata	ttgagtgtct	840
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35 <210> 576

<211> 865

<212> DNA

<213> Arabidopsis thaliana

40 <400> 576

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	ctctagggct	tggcgtctcc	atcaaagcca	cgttgaagaa	atccaacgga	tgatagatgt	180
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45	gaagcattca	agagttttcc	ggcagaggaa	gcttgtgtga	tccttaagta	aattgccctc	300
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55	ttatcggaag	gggtattggt	attttg				865

5 <210> 577
 <211> 865
 <212> DNA
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10 <220>
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 <223> n = A,T,C or G

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 taaccgattt gatcagacaa gaagagaagg agaaagacaa agtacttgga tagcagtaat 180
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 25 ttggtgacaa tggttgtatg taaaatctat ctttcaatgc caatgaaaag tctcttgctt 600
 ggtctgagtt atctgttcca ggtaggccac cggaaggaag tggaggacca ccnnntttga 660
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 30 cgttgatctg taaacttcct tcaag 865

<210> 578
 <211> 865
 <212> DNA
 35 <213> Arabidopsis thaliana

<400> 578
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 40 aaattattta gttacaagaa ggaaagattg aaggaaggac gtggcctttg tgttagattc 180
 ttttgatatc cttcattcca attcatgaat ggcctcaaaa aggetcttct tcttcttctt 240
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 aaagcctccc tgtctggttt gaagaccagg ttcttgtaag tgaaccatcc tgtgtaaccg 360
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 45 ccagcagaac cccaaagagc cactacacta gcaaaggcaa gagaaccaat agcgtacttg 480
 tcatccactt tctcccaagc ttcttgagca gtcttgacga tttcaggtaa ctcagtagtc 540
 tcagcttcgg tagtagtggc aggagcttca ccaacttcag tagtagctct cgtcacaacg 600
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 50 ggaggagctc ttgaatcgat gatggttgaa gaggaagaga ctgaaagaga agccatagct 780
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 tttattatct aaaagattaa tggag 865

<210> 579
 55 <211> 865
 <212> DNA

5 <213> Arabidopsis thaliana

<400> 579

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   gacatgacaa aaggcgccaa caaacgtagc aacatgaatt atttggaaca tgtttttttt      180
   tcttatcgaa atattccacg gctaaagaat ataataaaac tcgagggtaca aaaccagata      240
   accgttgtgc ttggatcata ccccatatgt tggcaacaca aaatctgtat caggaatttg      300
   atgatttatg cagagcgagg acacgtaatt tgtcaaagtc agtctagttt tgcaatgacc      360
   gcatcaacga cctcttgagt cgtgcttggt ccaccaagat ctttcgtccg gcactttcct      420
15 tcagcgatga ctttcttcac tgctgtttcg agcgggtcag caaatgaagg aaactgaagg      480
   tgtctaagca tcatcgctga tgagagaagc aatgccactg ggtttgcttt gttttccaat      540
   actatcttgt ctttcccaac atttcctgct gatgcacctt gctcgaatac cgcattgtca      600
   gcccacaacat ttctccagg catgactcct gtgcctccag caataccagc agcagtgttt      660
   gcaactaaat tcccatagag attcggcggt accatgacat cgaattgctc tgggttggtc      720
20 acaagttgca tacagcagtt atcaacaatg atttcattgt aggtgatgct gggatacttt      780
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25 <211> 865

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(865)

<223> n = A,T,C or G

<400> 580

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   ttcttctgtt aatcatctgt ctttcaaaaa gaaagaaaaa agaaaaattc gatttctggg      180
   tttgtttttg tcatacagaa aaaaatcaag cttatgaatt tgtgtttaat tttttgtttt      240
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   ctctggtggt gaactcatgg acgcgcttgt accttttatc aaaagcgttt ccgattctcc      600
45 ttcttcttct tctgcagcgt ctgcgtctgc gtttcttcac ccctctgcgt tttctctccc      660
   tcctctcccc ggattattacc cggattcaac gttcttgacc caaccgtttt catacgggtc      720
   ggatcttcaa caaacgggtt cattaatcgg actcaacaac ctctcttctt ctcagatcca      780
   ccagatccag tctcagatcc atcatcctct tcctccgacg catcacaaca acaacaactc      840
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50

<210> 581

<211> 864

<212> DNA

<213> Arabidopsis thaliana

55

<400> 581

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 tttgctatta aattttcaaa agagaaattt caaacataag acaataagtc caagaccaa 180
 ccctagtcgg actttcttct caccggagcc tgacttatcc gacggtgacg ctgccttctt 240
 agtggagccg gagtcatcgg taaccccacc ggatttagat ttaggggagc gagcaatcgg 300
 10 cgaaagcttg tgctctccga acatctcacc gggcaacaaa accatgtcga caacataaac 360
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 ggggctaacg tggtagagaa tgagttaaac ttgatcgtca gggcttaact agtttaggg 600
 15 tccgggttta aggttttgaa aagcattgtc tgttggtgag aacaccggca taccttcgga 660
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20
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 35 aaagaccttt gataacaaga gcaacttctt tggcagcctc tgcgcttgcc ttcattgcaa 540
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 aagctagggc tgttttgagt tgggtaggag atgaaccact gctcagaagc tcctttatct 780
 40 cattcacaag cttttcatga gcattttcag ggatcttgct attgccattc tcatgcactt 840
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 <211> 863
 45 <212> DNA
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 ttcggtaaac aacacaaaacg aaaacaaaac ttgaaattca gatatgtttc ggttaaggaga 180
 aatttgaaat ctctaaatct tgttgaaagc gacaatgtca caactctgga tgtactcgtt 240
 gttaggctct gaggtgagga agtcttcaat gaggttgctc ggggacacga ggtcatcaac 300
 aatcgtgaac ataattgtga gtttcttgat ccataacca actggtacaa gttttgaggc 360
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5 cttcttgggtg tccttcttag cagcctccct ctcctctgca gctttctttt cttcttcggt 540
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 gaaactttta gcaagttggg aagccacgga ctcgtaccac ttgctagcat tggggaaggc 720
 atcgctgggt ttcactggaa cggcagcgta aaccttgaca tcatccacag acaattgatc 780
 10 tccggagatg taggtttttc cggcgagggtg ctcctccacg gatttgacac cctcctctgt 840
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<210> 584

<211> 863

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(863)

<223> n = A,T,C or G

<400> 584

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 30 ccaaaaggta catgttgatg agaatgcaga tgataggtag gaggggaaca aacgggcaca 420
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 35 cttcttgatt cttgataagt gggacatcga ccaaagcatc attattaact attaaaggct 720
 ggtgactgct atcggaagta ccaacatgac cggatgacgt tgtttcacca catataaagg 780
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40 <210> 585

<211> 863

<212> DNA

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15 <210> 586
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 40 tcgatcaaaa aaaaaaaaaaaa aaa 863

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 45 <213> Arabidopsis thaliana

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 gaagaagtta gagaattgat caacaaattt gtctaattct ctcatTTTTT ttcatttcct 780
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<212> DNA

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<222> (1)..(861)

20 <223> n = A,T,C or G

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 35 aagagaagaa agagggtaga gcgcagagga agaagaagaa gaagaaggaa gtgttgcttg 780
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<210> 589

40 <211> 861

<212> DNA

<213> Arabidopsis thaliana

<400> 589

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5 tgctgcataa tcttagacgc cctaaacgta tccctcctat gaataatata aaccttagat 780
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<400> 596

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	ccctccaaca	ccgcctagac	cgccaacacc	tcctccgaca	ccgcctagac	cgccaacacc	480

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 <213> Arabidopsis thaliana

50 <400> 605

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	acgtttgata	gtgactacca	gagtacctgg	caaacactgc	aagaggaatt	cagctttctc	660
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	agcaactgat	tgggccctgg	aaacttcggc	aggacaggct	gaccaagctt	gtctgagaag	780
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<211> 858

20 <212> DNA

<213> Arabidopsis thaliana

<400> 606

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<211> 858

<212> DNA

<213> Arabidopsis thaliana

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10 <223> n = A,T,C or G

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30 <211> 857

<212> DNA

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<400> 611

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<223> n = A,T,C or G

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<211> 854

<212> DNA

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<400> 617

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	cgttttactc	gaatatcaag	attagtttaa	ttaagcagtt	tttgatggat	tatgtaaacc	780
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45 <212> DNA

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55	gaggctcgag	atgaactcca	caggatgctg	aatgaggacg	agctgcgtga	tgctgtgttg	420
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15 <212> DNA

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<220>

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 ctgaaaagag caatgtagaa atatgtcaca agaggctcct tccaagattt aaggctcaga 660
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40 <210> 620

<211> 852

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45 <220>

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 45 <213> Arabidopsis thaliana

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35 <211> 851

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<220>

40 <221> misc_feature

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5 ggtggcatca cgaatagcaa gattaatccc tcttttgaca tgaaccctga gaatccctaa 780
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10 <211> 851

<212> DNA

<213> Arabidopsis thaliana

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55 <212> DNA

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25 <212> DNA

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45 <400> 633

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	ttgattggat ctctggtttg gatggacagc taaataagac aggcaatgat cttgatgaat	780
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<212> DNA

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	cacctgattt ttgcacactg tggcggaggc ccagtcttgt tgaggacctt gaggttgctt	420
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<212> DNA
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<212> DNA
<213> Arabidopsis thaliana

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<222> (1)...(839)

<223> n = A,T,C or G

<400> 665

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20 <212> DNA

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40 <211> 839

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5 tgttttaaaaa gggaacttgt tttctgcttt tgtgttactc tctctaattc ctttgttttc 780
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10 <212> DNA

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	atcgcaacgg taaaannnng ctttgtcttt cccgacagaa acggcaacgt tttgaccaag	720
	ttcttcttga aagtcaacga tgaccacctt agctccgtgg tccgtgaaca gcctaaccgc	780
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 <212> DNA
 <213> Arabidopsis thaliana

40

	<400> 687	
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45	agttagattg agtatcagaa caagaaacaa ctgctgcagta aggtagaagt ttacagtga	180
	ggaatgagcc agaaaagaaa agaggaaagaa gatgtgacca aacatggcaa ggacaagtat	240
	agaagtgatt ctctgtggcaa ggaagtgtgt agagactctg atgacagtga ggctgagtat	300
	gaaaatagga agaagctaaa gaatgaaagt taccaacgag gacgtaaaaca caaaagagag	360
	gaggatgagg acaacgataa ccatgggagg gacagatata gaggtgatga tgctgttaaa	420
50	agatatggaa caattaagga agacgacgat aggtatagag gtcgagccat tgaggaagaa	480
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	gagtataagc atgggagaga caggtacaga ggtgatggaa gacgagcaac gggtaaggaa	600
	gatgatgatg atgatagagt aagcagagag cgtgaatact caagcagggg tcgaagtctg	660
	tatgatgata gccgatcaag tggcaagaga tctctgcgatg gttgatgatt cctgtttcat	720
55	ctttgtctgt ttaaagtttc ttaaagtgtt tgctgtgttt gtcacaaaca taatccttgt	780
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<210> 688

<211> 833

<212> DNA

<213> Arabidopsis thaliana

10

<400> 688

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tttacattga	acattcacat	tacgtgggta	aagtgtcagg	aagagccatg	gaatgagctc	180
caatgatctt	accaccaaca	tctgggaagg	tctcgtaatc	aggaagaggg	cttactttac	240
catcaacgtc	tacttgtaga	ggatacttta	ttaagtgacc	ttgtagctct	gagaatttcg	300
ggtctatgaa	tcttttccag	ttttcttcag	agatttgtgt	caccttcttc	agacattcca	360
gatctgatgg	ctccacaaac	tcatctccag	ttttgcctaa	atgctctgcc	catagtgaca	420
ttctgtatcc	atacacctgg	ccacgtgggt	gtcttccctt	gtgagcccat	gtatgattag	480
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tattagcaga	tcccatgagt	acatactcat	catctactat	catccctttt	gcgtgcacgt	600
aaatcatgaa	acgttggaag	ttataagaat	ctgataccac	actgccattg	gtggctggca	660
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gagcatctga	ttgcaccgct	ttcagttctt	ttgtataaac	atcatacatc	atctgcatag	780
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<212> DNA

30 <213> Arabidopsis thaliana

<400> 689

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tgaaagtaca	ctcgatata	tttgatctac	atttacttga	cgaagtaagg	aaggtcaaga	180
acgtagagaa	ggaagtaagc	ccaagtcacc	ccagagatcc	ctccaaagaa	gaatcctcca	240
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atgcccttcg	ggacggcgag	acgctgagaa	agagaagcgg	aggagaagct	gctccttagc	780
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<211> 832

50 <212> DNA

<213> Arabidopsis thaliana

<400> 690

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gtaggaaacc	gatatactgt	agttgtctct	tgattttctc	aaagatcagc	aaagaccgcg	180

5 aatatgtcac cattgatgta atcgtttctcc accaagctta ccaaatagta gctgtttcttc 240
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 gaccaagtct caaatgcttc atccttccag acgttgaagc tagcgggatc gacaatgggt 360
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 gcagtgttcg ataccactg ttctcctttg ttcacagcca tgtaagtaat cgatggcaaa 480
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 agttgctcgt ttattatcct tgtctctggc tggagtcctat ctaattcaga ccagggactg 720
 cttttaagggt ttccaaggca gagctccttg aatttctcct gaatatcttc aacacttttc 780
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<210> 691

<211> 832

<212> DNA

20 <213> Arabidopsis thaliana

<400> 691

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 25 tccagctatc tatccgagag accctgaagg tatggatgat gttgcaaacc ctaaaacggc 180
 ggcggaagaa atcgtagacg atactccccg accgagttta gaagagcaac cgcttgtacc 240
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 cgtgagctgt gctggttttag acggttcacc atggccgaga gacgaaggag aagtggaaga 420
 30 gcaaaggcga agagaagatg aaacagagag tgaccaagag ttttacaac accacaagc 480
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 ggcggaagaa tctttgatga aagcaacaat gatattcaaa cgcaacgcag aacgtggcga 660
 tcttgaaacg tttcctcatt ctagaatctt aagagaaatg agaggcgagt ggttttaaac 720
 35 taaagaccac aataaaatgt taagaagtgt ctgaataaac ttttgtcaat tagcttcatt 780
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<211> 832

40 <212> DNA

<213> Arabidopsis thaliana

<400> 692

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<210> 693
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10 <212> DNA
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15 <222> (1)...(831)
<223> n = A,T,C or G

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35 <211> 831
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55 <210> 695
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5 <212> DNA
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<220>

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<223> n = A,T,C or G

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	agttgctggg	gtattgatgc	tatgctttct	atattacaca	caaacaatta	nnagactata	180
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20	aacggttccg	gcgctcgaccg	gagaaagaaa	aagaaaaccc	catagacaaa	tcacggtcac	420
	ataaaaactct	ccggcgagga	tcggagagag	tttcgtaagc	ttcttgaact	cgaataaacc	480
	gatctgtgta	ttcttcgaca	cgatccggag	gagaaacatc	ggggtgatat	tttcgagcaa	540
	gttgtttata	agcttggttg	atctctggga	gtgtgactga	ttcggtgacg	ccgagaagat	600
	cgtagaagga	taagtcttcc	gattgtttta	ctggatcgtc	gtgggttaat	cgagattgga	660
25	tccgggtgga	ggagaatcgg	gttcgggtcg	ggtaagagat	agttgttggg	attgaagttg	720
	gttgaagaga	ggagattggg	tggtgtttgt	agaagaatgg	gtgggtgattg	gttgagagaa	780
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30 <211> 830

<212> DNA

<213> Arabidopsis thaliana

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<222> (1)...(830)

<223> n = A,T,C or G

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	gttattagaa	acggtgacga	gatggagtgt	tccgttgggg	tcacatcggc	gaatttcgcg	480
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	attggattca	agttctgtaa	tggtgaaaag	aaaagatact	gaaggagat	gtgaacattg	780
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5 <212> DNA
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	tttggttgag	aaatggcttc	gaaacggatc	ttgaaagagc	tcaaggatct	ccagaaggat	180
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	ataatgggtc	catccgatat	tccttattca	ggcggagtgt	ttctcgtaac	catccacttc	300
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20	tcttccatga	aataagttag	attcctatgt	tttatcatct	ctttgtttga	aacctcttta	720
	atctcaaaca	aaaacattcc	ttctcctctt	tacccatccc	tatgtttcct	atctttgttt	780
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25 <211> 829

<212> DNA

<213> Arabidopsis thaliana

<400> 698

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	ccgagttctc	tcctaagtca	actccattat	tgctgagtcg	ggtcaaaacc	aacacaacac	180
	ttctctcagt	aagatccttt	accatcgttt	gatccaaacc	caccaaagct	gctccttcca	240
	cttgactgag	aagaacggtc	tgaaccaaata	cctcctgaag	aaccgcctga	accaaagctt	300
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	ccaccacctg	aacggccact	gctgctaccg	taactaccat	accaccacc	gcctgatcga	480
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	cgaccagttc	gcccgttcg	gtgaacaaac	gtctccgtgt	tattaggaag	ctcataatga	720
	attactaaat	cgacattagg	tacatcaagt	ccacgggcag	caacatcagt	tgcaacaaga	780
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<212> DNA

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50 <400> 699

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	cagatggaat	taagtgggat	accccatact	tctttgataa	agctgtactt	gataacattc	780
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15 <211> 829

<212> DNA

<213> Arabidopsis thaliana

<400> 700

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	catcacacgc	gtcgtgtcat	catcctccga	ttcaggcgag	tcaataacca	gagagacttt	180
	ccacggcctc	tgcttcgtct	tgaagacaa	catcgacacc	gatcaaataa	tccccgccga	240
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25	taacggctta	ccaaaattct	acaacgaacg	tttcggtgtt	ccaggagaga	tgaaatcaaa	360
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	cgacgagtg	aaaacagggg	atgtggtgac	aatcgaacac	aaggaagacg	gtagtagttt	600
30	gctgatcaat	catacgacga	ggaaagaata	caaactgaaa	ccgctcgggtg	atgccggtcc	660
	ggtgatcgac	gccgggtgaa	tcttcgctta	tgcaagaaaa	gccggcatga	ttccttctgc	720
	ttgaatgtaa	tccgatccat	aatttatcgg	ttctgagttt	aatccgggtt	ggtttatttg	780
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35 <210> 701

<211> 828

<212> DNA

<213> Arabidopsis thaliana

40 <400> 701

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	tccgcaatta	cactcgtttt	tgttttcatt	caaagtttat	gacagggaac	acgatcatat	180
	tccgccttgg	cctcctcggt	cttttaattg	ttgaaatgat	gaagtaaac	attgcttcca	240
45	agctgcgtcc	ttctgttgc	cgacccatga	gaggaaggca	ctgtctacta	ggcaaaagat	300
	gttgacgtaa	agcaactgg	attgcacggg	aacatatctg	aagtttgcaa	tctgaagaag	360
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	cacttcagct	gtgttctttc	ctgtggcgaa	tcccatgtat	gtgaagaaca	ccagtagatc	480
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	aacagggtcc	acaaaaccaa	atccaaacat	gctcgtgata	gtactcgtct	tccagttgac	660
	tttgaattct	gcatctcgct	tccagttgac	cttgaattct	gcatctcgct	caacatcttt	720
	attcgtttcg	gtgagacgaa	gaagacgacg	tttcgcagtg	gaatgagtga	tgtattgagc	780
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55

<210> 702

5 <211> 828
 <212> DNA
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<220>
 10 <221> misc_feature
 <222> (1)...(828)
 <223> n = A,T,C or G

<400> 702
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 gtcataccat aagagtatta ataaaacaag acaaaattaa gatagagaga gtagcaacca 180
 ttgggaaaaa ggctagtacg agtcttggtg aagcttaaag cttgtcttcg aactcagata 240
 gtggagtcac cgcttccttc aatcccttcc tcttcctgat atcagccacc aaaactgaag 300
 20 cctgagtacc tggctcaaga gggtcagaag acatcatttc ccaatgatca aacacacact 360
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 caacaggcag gtatgccttg atgttgatca agggagttcc tggcctctgc atctcctcga 480
 acacgtgtcc acgcttctga ttcagcacac tgtagattcc tccaagagct ccctctggtg 540
 cctggatctc aaccatgtaa accggctcca aaagtctggg cttagctgtg atctgggaag 600
 25 cgtatatgac ccttctggct gtggggataa cctgaccacc tcctctgtgg atggcatcag 660
 agtgaagcac cacatcacat acctcaaaac agatacctct catgttctct tcagcaagag 720
 gaccttcctt nnncgccccac tggaaaccag caacaactga atccttgatt tcgttaaggt 780
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30 <210> 703
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 <212> DNA
 <213> Arabidopsis thaliana

35 <220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

<400> 703
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 gagctatttt tgaacttgca atatcccagc cagctcttga catgcctgag ctgctttgga 180
 aggcatacat tgattttgag atatcagaag ggggaattaga gaggacaagg gcttttatatg 240
 45 agcgactctt ggaccgtact aagcattaca aggtgtgggt tagctttgca aagtttgaag 300
 cttctgctgc ggaactagag gaagacgaga atgaagatga agaccaggaa gaagatgtta 360
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 50 nnnngaagct caagaaaaga aaggcgatca ctagagaaga cgggtcaaca gtagtgaag 600
 aatacatcga ttattttatc ccagaagaat cgcaacaac gaatctcaag attcttgaag 660
 ctgcatacaa atggaagaag cagaaggttg ctgcttctga ggatgattga gattaagctt 720
 ttttcttaag ttatatcaaa agtcaaaact gtgaaatgtg ttttgtattc ttccttagct 780
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55 <210> 704

5 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

<400> 704

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	acttgacaag	aggaaaaaaa	aaaatactac	ataaaacata	cacacataca	aatttttatg	180
	taaggggcca	tggttcttag	gttaaaactg	cggagattga	atcagcgatg	gagacaatag	240
	tcgacgggtg	gactccacga	cttcctcgaca	aataccatct	ctgcatcatt	cccaccacat	300
15	tcgcattctc	caccttcagt	ttctcctctt	ctttaccttc	cgtctcaaac	ccgatctcgc	360
	aaatgccatc	tttggtcgag	aaatggtaag	tgataacgga	gttagctttg	aagtacttgg	420
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	cctcagccaa	acgatctctc	accgtattct	ctagctgcac	tccgtactga	gctcctttta	540
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	ggatctcaat	gtctgtgatc	ccttggccca	gaagagagag	tggcttggaa	gtgatgatct	780
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25 <210> 705
 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

30 <220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

<400> 705

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	gccccaaact	cttgggaaag	gaatggc	atc	tttgatatca	ggaagcccg	tcgcatacag	180
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40	atctaagtac	cactcgaact	tctccnngt	gaatccggnn	tcccogatcc	tcgcataccag		300
	aatctcaann	nnntcttcgt	tttggctccc	ggtgatcaca	acaccaacct	ttggtacgac		360
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	tgcttttcggg	taggtatgta	caattacagg	acctttgtag	atctcatcag	tcagataact		480
	tagatgctct	gttggttaaag	caactcccca	ctcaggettg	gtttcaaatt	ttgtagtggt		540
45	tgcccttttc	g	agaagactaa	tcacttcggt	ataggagaat	ctcaaaagg	agctggatgc	600
	tggtgcttcg	agacgtgtgg	tgatggtctt	gtcaactcgt	tttgatatga	atttcatgtc		660
	ttcatcgcca	ttttccagaa	catatttgca	gaggaacttg	aagtattcat	cagcacaatc		720
	catagcatca	tccaattccg	cgaaagccat	ttcggtttcc	acattccact	tctctgccaa		780
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50 <210> 706
 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 706

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	cattctagag	ttcaagtatg	gttcttccca	cacggtggat	gtggttgaca	aagccggata	180
	tgatggctgc	gacgcctcct	cctcgactga	gaaccattcc	gatggagaca	ccaaaatcga	240
	tcttaagact	gtaggaataa	actatttcat	ctgttctaca	cctggtcact	gcagaaccaa	300
10	tggcggcatg	aagctagccg	ttaatgtcgt	agccggttct	gccggacctc	cggccactcc	360
	cacgccacct	tcttcaactc	cgggaactcc	taccacaccg	gaatcacctc	cgtctggcgg	420
	atcaccacaca	cccaccacac	ccacacctgg	tgcaggttca	acttctcctc	ctcctccacc	480
	aaaggcaagt	ggtgcgtcta	agggagtgat	gagttacgtt	ttggtgggag	tctcgatggg	540
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15	gccttttttaa	attatttttg	tttttggttg	taagagaatt	tgggtttgtg	tgccacgtca	660
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	tcatcatcac	attcacttat	tctcttggtg	taataaatta	tactattaat	tttcattttc	780
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20 <210> 707
 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

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	gtttgctata	taccacagtt	tccaaaacta	aacatgaaag	ttttctcttg	acatgaatca	180
	gtttacactg	ttgagcaaat	caattgccat	aagccgatgt	tgacaccaat	gcagattgct	240
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	ttccttcgga	atagccgcct	atacatagag	tgtctcctcg	accatgccag	ataccatcat	420
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	taagaatcat	atgaacagca	cctgaagaa	agcaagaacc	aaaaccagtc	cttgtcatgt	720
	ttttcccgaa	tctgtagcat	ggacagcaag	cagattcgat	acagagatga	cgatcttcaa	780
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40 <210> 708
 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

45 <220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

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55	cgaggatgaa	aatataaaaa	attacgaaga	aatggaacac	aacttcgagc	cccagccatt	240
	gtttatagaa	gctttgagcg	tggttcctgc	ctggcacaga	ggtcggttcga	ccactgttgt	300

5	taccatcatc	ggatcctgaa	gtcggagaaa	tgcttatagg	tccaggggac	gagccagtgg	360
	gagcagaggc	tgggcccgtt	ttgttttaac	ctttagctag	ctggtagaag	acttgggcat	420
	ctggagaatt	cggatccaag	tgaagcaaag	cagggcattt	agtgacgtca	gcagcggcgt	480
	gacaaacaga	aggaagtgcg	agagctagag	agacgttgat	ctggagaccc	aatcaggat	540
	cattcctgtc	ttgaatgata	acacaaagac	acttcttgtt	tgaattaaga	acttgtttga	600
10	gaccggagca	acagtctggc	gtcggagatt	ttgcttgtcc	ttgcacgtaa	ggaagacacg	660
	tggccatacc	gaccnnnnnc	tccgtacact	cctccttgtc	tttcgtctta	tcatcagcag	720
	ctgccaccac	catagccacc	actattaaag	ctattgctgt	cgccattagg	ttaatcttcc	780
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15 <210> 709
 <211> 827
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
 <221> misc_feature
 <222> (1)...(827)
 <223> n = A,T,C or G

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	ggtttctacg	acccagtgga	tataacaatt	tcataaaatt	catagccacc	ggttaaacct	180
	ggaccaata	ccgaactcac	acacataact	gaaactccag	ttcacctcct	atagccggtt	240
30	cccttctctc	acactctcag	aaatttccaa	nnaattttctc	accgtttcgt	tatctacaaa	300
	tccactataa	atacttcaact	cttcagcttt	gtattattct	cttaacattn	nattactctt	360
	atccttttac	cttcatcatc	ctccactatt	tacagttttg	ccactctgac	tttatgctag	420
	cttcttccgg	tgactggcga	taacacgaga	gagccttcgc	cttctccaag	cttcatactc	480
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35	gagaagtctc	accggagaaa	gttatcagag	aaagcgatgt	cgtttcacgg	cagaggaaca	600
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	ttacttaacg	tgacggtaca	aggaagttta	ggagccgtac	aaattataat	ctcgccggaa	780
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40 <210> 710
 <211> 826
 <212> DNA
 <213> Arabidopsis thaliana

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	atggtagtac	tactggcgt	tccattagcc	tttccattga	acctcatacg	gctgaagcta	360
	gacatacgta	caaaggttcg	gttaagggga	ccctcacacg	cagaggctgg	cgttgaagggt	420
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	cctgatgagg	gtgaagcaaa	tgctccagaa	aaggattgtt	gttgatcaaa	tagaatggcc	600

5	tgatcatcct	cgaaccaa	atcgctagt	atgtgattga	gagttgtact	aggatccatg	660
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	ttttgggtctg	atgtgtagtt	agcagaatca	ctcagagaag	acagatttgc	agaagttccc	780
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 <211> 826
 <212> DNA
 <213> Arabidopsis thaliana

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	aacttagaaa	aacattgtat	ggttatatgt	ggatgactta	ttctcacatg	gtgttttagaa	180
	gaaaccattc	aaaaattcaa	aaagaagctg	aattcttcat	gtaaactacc	gagccaatgg	240
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	agacatgttc	ggctcttctag	ctgatgaagg	attaagacaa	cacatcgcta	gctcaacagc	420
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	atcagcaagt	ttggcatcaa	attgttcatt	caacaatata	tttgttgttt	tgatgtctct	780
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 <212> DNA
 <213> Arabidopsis thaliana

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	tagtaggaga	tgatttctat	ctaagtagag	aaatataaag	gaacaagcct	atcctcagca	180
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	atgaaagggg	ccaagtcacc	atccattaca	gatgtgatata	cagaagtttc	atgacctgtt	300
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50	gctgacttaa	tccctgcctc	ttctccatta	gacatttcaa	caactt		826

<210> 713
 <211> 826
 <212> DNA
 55 <213> Arabidopsis thaliana

5 <400> 713
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10 gtcccttttg gtctgtctg ctttctcat taccttccaa gggttgagct aacttgcggt 300
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20

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<212> DNA
<213> Arabidopsis thaliana

25

<400> 714
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atcaaagcag ttggtgatga tgtggcaaaa tatagcaaaa tgatcgaaga gacgagttat 480
35 cacgttttgc aaaagatcac tggttctgga aaataaactt tatcgatgtt tgatggaatc 540
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ctcatggttt tcttggtgtc cgtttaatta tttcagtttt tcttttaagt gtttgagttt 660
tcaaaaataa gagacgacgg tcttctctc gtcgaggaag ctatcttctc cactttccat 720
tatttctctg tttgtaggag tcaactgact cacttttttc ttcttgtaat gttttttttc 780
40 tcttcttgta atgtttctca ctttctctat aaaaaaaaag cggccg 826

<210> 715
<211> 824
<212> DNA
45 <213> Arabidopsis thaliana

<220>
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<222> (1)...(824)
50 <223> n = A,T,C or G

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55 tgcgacgaaa agaaggcggc ggattcaaag aacacccaaa tacaatcga agacggagcc 180
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 agaagttctt tctgttatcg acgccctcaa aatcaaaatc aacgtttccc cgatccttcc 480
 tactcgatgt gatgagaagt ttagattgca cgggactaga cgataggcga aaggtgaatg 540
 10 attacgcgat gagcgagttt gaaaacttgn nnctatgtgt ttaaagggtca gttcctgatt 600
 gcagtattcg gatcatttag gtagaaaaaa caatgtgaac aactgcagag atacattacc 660
 agattgaagt ctgtattttt cttctctttg tgtgtaaata tgaaacgaag gcggtcaaat 720
 tataataaag cttcttcttt cttccgttct tatgaagttt tatgcaatca tagaagcttc 780
 ttgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 824

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 <222> (1)...(824)
 <223> n = A,T,C or G

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 30 gttacaaagg tgatcttacg ccggtcctaa cgcttgacct tctttgcacc aagaactact 240
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 tcaagaaaaa naacaaaggc tccaatatca tcatactgga ctcgtagacg gattcggcta 480
 35 agatagtggc gaaaacgtta aaggttctcg ggtacaagaa ttgctatatt gtgacagatg 540
 gattctcttg tggcagagga tgggtgcaga gccgggttagg cactgattct tacaacttct 600
 cgtttgcaca agtcttctct ccatcgcgga ttatcccggc agcttcgaga agctttggca 660
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 40 tttcgaatta ttacttactt gtcttttaca ttgatgatca tata 824

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 <211> 824
 <212> DNA
 45 <213> Arabidopsis thaliana

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 50 attcaacaac attgcttttg cttttaaaag caaaaaacgc atcactgaac attgaacttt 180
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 55 tcttcaagta tcgccaaaac ctccatcagc tttcccaccg ccgccatttt ccttctgctg 480
 tcttttgcgc cgaccaccgc atccaccgcc gcaaaacact tgtcatcgat gtactgagcc 540

5	caaaaccgag	cagatgcgcg	atcataggca	tcagaaggaa	ggattgaagg	aacggagggc	600
	caagcctcgt	cgacgtattg	aacaacgttg	agggactcac	agatggagag	gtcaccatgg	660
	aggaggacag	ggacttttctt	gtggatgggg	ttagatttga	gaaggagttc	actcttttct	720
	ttaagaacat	cagggttcgtc	taagtactcg	tacttgacag	atttcaagtg	tagagccaca	780
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<211> 824

<212> DNA

<213> Arabidopsis thaliana

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<400> 718

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	agctcacggc	ggccaccgca	gcctcacaga	cggagcttc	caaaaaagcc	ataaacttca	180
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	acgcaaacga	catccaaaca	agccctaaac	gtttagctga	gaccgctata	gccgtgacac	300
	taagccgagc	ccaatccacg	aagctcttcg	tctcgcgtct	aacacgtatg	aagggtctta	360
	agaagcgcg	ggtcgaagcc	atcaaagatt	gcgtcgagga	gatgaacgat	accgttgacc	420
	gtttgaccaa	atctgttcaa	gaactgaagt	tgtgtgggag	tgccaaagat	caagaccagt	480
25	ttgcgtacca	catgagtaat	gctcagactt	ggactagtgc	ggctttgact	gacgagaaca	540
	cttgctccga	tgggttctcg	ggtcgggtta	tggatgggag	gatcaagaac	tcggttcggg	600
	ctagaatcat	gaacgtggga	catgaaacca	gcaacgcttt	gtccttgatt	aatgcctttg	660
	ctaaaactta	ctaattttaa	actataat	gtcctgtaaa	atatatatat	agataaatgt	720
	aatgtcttgc	taagagtttg	atgtgatata	tttttttcga	ttttggtagt	ttctttttgt	780
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<210> 719

<211> 823

<212> DNA

35 <213> Arabidopsis thaliana

<400> 719

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40	tgggtttgtc	ggaggttttt	tccctgtctc	taccaccaag	atcgcgtgga	aatcaagaaa	180
	aagatcagca	ttgttgaacc	tagacaaagc	accggagggt	gttacggagg	tcacaccaga	240
	gaagaacgag	ataacagcaa	tggataccga	gaaagttggg	gaaccaatga	ccacaactcc	300
	tcttctgtcc	gagaaaagga	aagctctgtt	cgagccactt	gaaccatta	cgaacttgaa	360
	cggaaagcga	ccaactgcgg	ctgattcatt	gttgccaccg	cggattttcg	agactgcaaa	420
45	ctacccaaaa	ggctggttga	tcggtaaaga	gaggaagctt	gtgaatgttg	atgtagttga	480
	gagcatgcgt	agaatagctg	tccaagaaat	gaacagaaag	gatcgagaga	tagatgggtt	540
	aaacgagcag	ctagaagagg	attcacggtg	cttagagcat	ctacagcttc	agctgctaca	600
	agagagaagc	aagagaacag	agattgaaag	agagaacaca	atgttgaaag	agcaagttga	660
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50	ttctcatcaa	atctatgtct	cacctataat	agctgtgttc	tggttttttt	attcttttgt	780
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<210> 720

<211> 823

55 <212> DNA

<213> Arabidopsis thaliana

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atcgattcct acctctattc ccgtcaacgg aaacacgtta cctagttctt acggaactcg      180
10 caaagacgac agcccgtttg ctcagttctt tcgctccacc gaatccaacg ttgagaggat      240
aatatttgat ttccggttcc tagcgctttt ggcagtagga gggtcgctgg ctggttcgct      300
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ctgttcaaaa ggcattccata ccggccaaat ggttttacgc ctagtccaag ctatcgatgt      420
ttatctagct gggactgtga tgttaatat tagtatgggt ttgtatggac tcttcacacg      480
15 tcactgcct catgatgttc caccggaatc cgatcgtgcc cttagatcct cttccctctt      540
tggtatgttt gcaatgaagg agagacaaa atggatgaag atcagctcac ttgatgagct      600
gaaaaccaa gtgggacatg tcattgttat gattctgcta gtgaagatgt tcgagagaag      660
caagatgggt actatcgcca ccggtctaga tttgcttagt tattccgttt gcattctctt      720
gtcctctgct tctctttata tctccataa tctccacaaa ggagagacat gaaccaatgt      780
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<210> 721
<211> 823
<212> DNA

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25 <213> Arabidopsis thaliana

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<220>
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30 <223> n = A,T,C or G

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35 cattttattca aacaaaagtc caacacgatt aaacaagaag aatcaatatt ccatcctttg      180
cagtagtaaa aagggacttc actaatcact tgaaaagcca aatgatttag tttttttttt      240
gtttcttcga agaaataaag aaagaaacct tcttttagcc cgagagagct gcgttgatgg      300
cactgtgaac ttcaacacca atctgtgcct ctgctttctc aagatctgtt gtggcagaag      360
caagtttctg ttggaactca gctaaacctt tttggacttg gctagggtca atgtgggtcaa      420
40 gcggcacagc ttccaccgcy attatgtcag cgacggaatt tgcgtggagg aatgcaaac      480
cactgctcaa gaagtatttc ttcacgtcag tgccctcatg gacggacatg atgccagggt      540
ttagctcagc aattgttga acgtgtccgg gcaagacacc catttgcct gttgatgcgg      600
gaatgatgac catgtcgacc tctttcccg gtaagctcaga tgtgtaaggg aggacaaaat      660
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45 aaggagtctg cgggtgggtcc atattcgggt cgactttctt ccatgcctcg acgaaagtgg      780
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<210> 722
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50 <212> DNA
<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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aggtctttat caagtcgaca gcttttccga cgatccaaag ttgtcaaggc agtagcaacc      180
10 ccagacccca tcttggaagt acctttaact gaggaaaatg tagaaagcgt tttggatgaa      240
atccgacctt accttatgtc tgatggtggt aatgtggcat tacatgagat cgatggaaat      300
attgtgcggg ttaagctgca gggagcatgc ggatcatgtc caagttctac tatgacaatg      360
aagatgggta ttgagcgtcg tctaattgaa aagatccctg aaatagtggc tgtagaagct      420
cttccagatg aagagactgg ccttgaactg aatgaggaaa acattgaaaa ggtgctggaa      480
15 gaaatnnnnn nnnacttaat cnaaacagca gatggatcgc ttgatctagt ggagattgaa      540
gatccaatcg tgaagataag aatcacagga cctgcagctg gagtcatgac agttcgtgta      600
gcagtcactc agaaactaag agagaaaatt ccatcaatcg cagctgttca acttatatag      660
aaacaacaac tcttcttgta tgctttgtat tagctccctt gtatagtatt gttgtgcata      720
gattatgtgt tttgttgaca tttgctattt gtcctcaaat aagttttcaa catttttgtt      780
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<210> 723

<211> 822

<212> DNA

25 <213> Arabidopsis thaliana

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30 tttacaagac ataaccggtt ttggttcatt tgttcaacaa acttaactaa atggctctga      180
aagatgttga aattgagtaa cacagtgagg acttcatgaa ctttcctttg ctttcttttt      240
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35 tcgatgatgc cacatcaatt ccgagtattc ttgaaaacag atacccaaag agaaatccag      480
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tcacaggaga gacgaatttc accagctttt taaagtattg gtttaagaaat gcaccagcca      660
acactgggag aagaaccacc tgtagtgttg acattagtaa tccaagagca tcaactgtga      720
40 tatactgctt ggcaagcttc gccgtaagaa gcggtgtcat aatcacagct gaaacagtgc      780
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<210> 724

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45 <212> DNA

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55 gggctacgag ataagaagaa tgatcataga cgatggttct ggtactcttg tgttgttgga      420
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5  gctatctggc ttccgtttgg gccgctttgt ggagctggaa tttgtctata cgtggaccat 540
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   gcacggtaga gagataatag ctactttcaa acctcgtcag agtgaatttg tgatagcaag 660
   agtgcaagtt ttgactctat tatcccctaa agaacattct tctgttggtg taaatagata 720
   cgaaactctg aagttcgttt tgtttaaaaa ctcattgattg actcgaacta gattccagtt 780
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<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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20 <223> n = A,T,C or G

<400> 725

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25 taaagggtgtc agagattgta ggttcccact tctgaaggat gaccatccat tgatcatagt 180
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30 atcagggata aagtagagat tcaaacagtt tcagggtttc aaacaggata acagggatac 480
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   aactgttggg taattctgtt ttagtaaaaa gaggtagctg agatctgggt tttcaaaagt 720
35 ttccaactgc taatagactg cattggagaa agtgccctgg agaaaactca acgctctttt 780
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<211> 821

40 <212> DNA

<213> Arabidopsis thaliana

<220>

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45 <222> (1) ... (821)

<223> n = A,T,C or G

<400> 726

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   ctacaagtta aatccagaag atgcagataa tttgatgaga tggggagaag ctttactaga 180
   gttatctcag tttcaaaacg ttatagattc actgaaaatg attcaagatg ccattctcaa 240
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   tgcatacact tcatacgcgc gtttgactcc tgacgacact caagctagat taaactttgg 360
55 cttagcttat ctgttcttcg gaatagctgt agctcagcaa ccggataatc aagtctacca 420
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5 cttactctca ctattgggtg gcgttgaaac ttttagcaata ccgagcccaa aggtagtga 540
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cgttggttgc tgtattagtt ttcgaaagct aaggtgaatg agcttggtgt gagaatatcc 660
acacagaaga tatgggcaaa ggagaaaaag gtnncaagcg taagaccctt agagcctagg 720
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10 accatacaat tccaagttat aaaaacaaaa aaaaaaaaaa a 821

<210> 727

<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<400> 727

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20 ggtcgtggaa actggggcac tactgaagat gatatccctc caacgtctga ggaacctacc 180
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25 tctaacaaga agaacaccga tgaagaaatc ttcatacagc tgggatctga caaggaaaaa 480
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gacacagctc agttcccttc gttgggctag taaagacccc tggctccttc gcctcgctat 720
30 ctctgtcttt cgtttctctt tggttgaatt ttggttagtt tataattttt tgttacactt 780
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<210> 728

<211> 821

35 <212> DNA

<213> Arabidopsis thaliana

<400> 728

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tcgatggaag aatgtattac caagcacctt ccgaatttg ctttggaag aatggtgaga 480
tggttaagaa atcaagtgga aacaggagcc cgagatcgat tgtggaacca gctaagtatg 540
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50 tatcttttagc caccactgta cttttgtaat ttttagtatt tgcttcacaca aaaaaaatct 720
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<210> 729

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(820)

10 <223> n = A,T,C or G

<400> 729

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15	aagcctactg	aatggccatt	gattttaagt	cacattgctc	ctctccttgt	cttaggcagt	180
	ggaaaacag	attggtttgt	tctgtttgag	cctacacaaa	atgcaatact	ggagcttttt	240
	ttattgcaaa	aagtgtgaca	ttagatctca	ggttgagttc	ttatgttgct	cgccacgctc	300
	ctagatgggt	agcagggttt	tttgaacacg	aaaagagttt	gctttttaa	ccttcaatct	360
	aatcctttcc	ttctagagat	aggtctggtc	ttctctgnna	agtgtcaagg	ataggttcag	420
20	tcttttcttt	ttaggttaata	aatctccact	gttcagataa	gttagtggac	acattttgag	480
	ttacttttgt	caagatgatg	ttaacaggaa	gatcggcata	aacaagcttg	gtgatcttca	540
	ggtgactacc	ttttgggggt	atgctgctac	tatnntcga	aaggaggata	tgatgatata	600
	tacaggtcgt	tcacaacaaa	tgcaaaagtt	ggatgctcta	agatcatgtc	caattctctt	660
	gattggaact	atgctcttat	tgaggacgtt	atgaagactg	tttcaaagtt	atcattttat	720
25	ttcttttggc	tttggtagtt	gaatgtgttg	taacttctgt	ttggtttgca	attaacgtaa	780
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<210> 730

<211> 820

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(820)

<223> n = A,T,C or G

<400> 730

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	ttttacttgt	tttgcacata	cacacaaaaa	taanaagac	tttatattta	tttacttttt	180
	aatcacacgg	attagctccg	gcgaagtatg	gtcgtcgtct	tcatcttctt	cctccatcat	240
	cagatttttc	cttaaatgga	agaaacccaa	cgaaactccg	atcttctccg	ttctcgtgtt	300
	ttcctctctg	gcttttattg	ctgggattgg	gaattttctc	ccgctctctt	gcttttttagt	360
45	tgctgattct	ttttccttcg	actttctatt	tccaatcttt	cttcttctct	ttgtgtatta	420
	gattattttt	agttttat	ttctgtggta	aaataaaaaa	agttcgccgg	agatgacggc	480
	tgtgacggcg	gcgcaaagat	cagttccggc	gccgttttta	agcaaacgt	atcagctagt	540
	tgatgatcat	agcacagacg	acgtcgtttc	atggaacgaa	gaaggaacag	cttttgcgt	600
	tggaaaaaca	gcagagtgtg	ctaaagatct	tcttctcaa	tacttcaagc	ataataattt	660
50	ctcaagcttc	attcgtcagc	tcaaacactta	cgtgagtttc	actctaacga	aaactcattt	720
	actctcaatt	taatgcttca	tttaattcgt	ttggtgaatt	gaatcattct	ttttagtattg	780
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<210> 731

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<400> 731

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    ggcgaagag gctgttcttt tcgaggatat cttatgtcag atgattgata tgatcggacc 120
    tgagaacgaa agccatataa cgctgcatga cctgaaaggc tcaaagctct ctggaaacgt 180
    cttcaacatc ctttttaatc taaacaaatt tatggcattt gaaaccggg atccgttcct 240
    cattcgtcag gagcgcgaga acccgacatt gacagactgg gaccgttttg cacatagaga 300
    gtatattcgg ctatcaatgg aagaagatgt tgaagatgca tccaatggaa gtgctgaggt 360
    ttgggatgac tcgtcactgg aggtccctt ctgagttcaa agaggtagca agtcaacaaa 420
15 agaaaatcat aatctctaga atggatttta ttttttaaaa aaggaaacaa aaaaacttag 480
    aagttgaagg ttatggatat gttgttattt catcatatta gttaatcatg caaaagagaa 540
    acagaaagtc cctgagaaga atctttggag ctttgttgag aaggcaagtg aaaaaacaag 600
    ggagaagcca gtagtatcat acttagcttg gagttgtttt ctaacttctc ttcattttta 660
    gctgatttta caactatatt gattaataat cgctcgtcgt tagctcatcg ctttacggct 720
20 tcttcatctg tattgcattc actttgctcc atctctgggt tttttgtttg tactttagag 780
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<210> 732

<211> 820

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(820)

<223> n = A,T,C or G

<400> 732

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    gaatctccaa gatccacgat cgtgtcttca tcggtctttc tggctctgcc accgatgttc 180
    aaacactata ccagcgcttg gtgtttcgtc ataagcttta ccagcttagg gaagagagag 240
    acatgaagcc tgaaactttc gctagtcttg tctcagccat tctttannng aagagatttg 300
    gtccttactt atgccaacct gtgattgctg gcttgggaga tgatgacaag ctttccattt 360
40 gcacgatgga ctctatcgga gccaaagagt tagctaaaga ttttgttgta tctggaactg 420
    cttcagaatc actctatgga gcttgtgagg caatgtacaa gccagatatg gaagctgagg 480
    aattgttcga gacaatatcg caagcacttc tctcatctgt tgaccgtgat tgtctgagtg 540
    gttggggagg gcatgtttac attgtaacac caacagagat taaggagagg atcctaaagg 600
    gaaggatgga ttgatctgct tcttctatct aagttgtttt ccgctgtaat ccggttttta 660
45 gtagtgtaac cttcacatcc cggtttaatt atatgatcat tccttggttg aaattatggg 720
    ttatgtatga agtttgattt tcctcttgga taatggatta tatgatttta attcgtagag 780
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<210> 733

50 <211> 820

<212> DNA

<213> Arabidopsis thaliana

<400> 733

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5	atggttcaac	cagcctgcc	ggaaaaccag	aagaagaatt	gcgaggcaaa	agaaggctgt	180
	gaagatcttc	cctcgtccaa	cttctggacc	tctccgccct	gttggtgcatg	gtcagactct	240
	taagtacaac	atgaagggtca	gaaccggtaa	aggattcact	cttgaagagc	tcaaggctgc	300
	tggatatccca	aagaagtttg	cgcctacaat	tggatttgct	gttgaccatc	gtcgcagaagaa	360
	ccgatcttttg	gaggggtcttc	aaacaaatgt	ccagaggctg	aaaacctaca	agaccaagtt	420
10	agtcatttttc	ccgcgtcgtg	cccgcgaagg	caaggctggt	gactctacac	cagaagagtt	480
	ggctaattgct	acccaagttc	aaggagacta	cttgcctatt	gtacgtgaga	agcctaccat	540
	ggaactcgtc	aagctgactt	cagaaatgaa	gtctttcaag	gcttttgaca	agatacgcct	600
	tgagcgcact	aacaagaggc	atgccggagc	tagagccaag	agagccgcag	aggctgagaa	660
	agaagagaag	aagtgaggtc	gttcttctta	ggtagaagaa	acttttatct	tatcaacttt	720
15	tggaaactgaa	ttttgtgtat	cagactgtct	tttctttcat	cagtttttat	ccttaaatct	780
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<210> 734

<211> 819

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

25 <222> (1) ... (819)

<223> n = A,T,C or G

<400> 734

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	atttgtcacc	gagaaatgtc	gaaaacttgg	gagccaatta	gcatgctctc	ctttctgcca	180
	gagtgttggg	aatgtcgaat	ccaagagtta	ttacataagc	tttagtccac	ctgttacttc	240
	atcaacatta	tcaacaggtc	caagaatagc	cattactgtc	cttgaatttg	gagcgcctcg	300
	tgtttttccc	gcatcaatgg	tgatatgggt	tggcagtttc	agggctcttg	ctctttcttg	360
35	caaaactagc	atctcttcc	cactttcaat	tttgacaaca	acttnnngct	gagcacaata	420
	ttcccatctg	ttcaaggcnn	ttggcgcccg	ttgaaggagt	ttntgtata	aacctaaagt	480
	tgcattgactg	cattgagctg	caatcttccc	tttaccatt	ttaagatcat	tcctcacaac	540
	caaaaccatt	ttgaaatttt	tgcgaaaatc	agcgagtttc	tctatctcga	ggggttcctt	600
	ggacttgggt	ttcttattcc	cgctggatcc	tgcattctatg	gcgacagatt	tggaggagag	660
40	aaagattcgg	cgggtttgtc	gtaaagtgtc	gatgtaatat	ccnnntgcag	ctccaacaag	720
	taaaacactt	aataaccaca	ccaaatccat	acctcttaa	agtcttccgg	cggctgagct	780
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<210> 735

45 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 735

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	atcagaagga	ataacctcga	cgacggattc	acagccaaga	ttggcgtgaa	gatactcgga	180
	gacaacgact	ggtacagcta	agtccttaac	actttggaga	atgtgacacg	gaacagtgc	240
	aaaaggtaag	atctgtctca	tgtcactttg	gaaaatggtc	tggccgacgg	agagagctat	300
55	gtcgggacgc	atattgaaga	gtgttctgct	gaattcttga	acggcgatgg	agtccatgtc	360
	gccaccgacg	gcgagtggag	cgaaacctaa	gcaccacgct	ttgtagtgtc	ttcggtgggc	420

5	ttcgaatagt	tgggtttaagt	cttcttggtc	gaatccacct	tggtaatcaa	catcgtttac	480
	gtatctcgga	gaagcagaga	tcatgacgat	tttggagaag	agatcaggac	ggttaagaga	540
	agccaagaca	ccaatcatgg	cagaaacaga	gtggccaaca	aagatacaag	actcaatctt	600
	gagatcttcc	aagattgcaa	tcaaatecga	agagtagcct	tcgagatttg	agtaacgata	660
	gaagtcgaaa	tagtcagggt	tggctgtacc	ggctcccatg	ttgtcgtaga	ggacgacgcg	720
10	gtaatcgtcg	accagatgtg	gaaccaagtg	tttccatact	gactggtccg	tgccgaaccc	780
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<210> 736

<211> 819

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(819)

<223> n = A,T,C or G

<400> 736

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	ctcatgaaga	ttttaaacct	tgttgatgat	cggactgtga	tcattgcttc	ttgtatttgt	180
	agtggctgga	gagatgctgt	ttcccttgge	ctcactcgcc	tctccctctc	ttggtgcaag	240
	aagaatatga	acagtttggt	tctatctctt	gctcccaa	tcgtaaagct	tcagacttta	300
	gtactgcgac	aggacaaacc	gcagcttgag	gacaacgcgg	tggaagccat	agcaaatcac	360
30	tgatcatgagc	tacaagattt	ggacttaagc	aaaagctcga	aaatcactga	ccattcccta	420
	tattcacttg	ctcgtgggtg	tactaacctg	actaaactca	accttagcgg	ctgcacttcg	480
	ttcagcgaca	ctgctcttgc	gcatttgaca	agattttgca	ggaagctcaa	aattctgaat	540
	ctttgtgggt	gtgttggaagc	tgtatctgac	aatacattgc	aggctattgg	agaaaactgc	600
	aatcagttgc	agtcactaaa	cttgggatgg	tgtgagaata	taagtgatga	tggagttatg	660
35	agtttagctt	atggttggtc	tgatttaaga	actcttgatc	tttgtagctg	tgttctaata	720
	acagatgaga	gtgttggtgc	tttggcgaat	cgggtgcattc	antngnggtc	attgggctta	780
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<210> 737

40 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 737

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	tcaacgaatt	tgtagatctg	atctgtgatt	ccatcgttga	cgacggatct	tcgcttacat	180
	cgtttgatct	gtcgcagatc	tgccgttttc	tatagatcta	gatctggatc	gtccttcgcg	240
	gttctttcac	atgcaagatt	ctgtgaattg	ttcaagttga	ggcatcattt	ctggattact	300
50	aggagacgaa	tctgttgacg	acggatgtgt	gtgtgttgga	ttgaattgag	attagggtgt	360
	agaagatggt	ttgtggatag	ctaatagctt	cctgattgca	tctctgtcat	ccgacctttg	420
	ccatgtcagg	tgcgcttgca	tggcagggtc	aaaaactgat	cctcaataaa	aaaaagattt	480
	tgtgggtttt	ggagaggagg	tcgcacgggt	tattattttt	tcccgggatc	tcttctctct	540
	tgtgtgtgtc	gtcttgcttc	tgtcttatct	ctctccctgc	tctttcacat	ttcatatctt	600
55	tcttaaatgc	tcatatacac	tcaaaaaccg	atcataagca	gagtttgtaa	ccaatatgga	660
	gcagtgggcg	attacaaatc	ttcttgccca	acaacctcga	gagttaaata	aggtactcat	720

5 atccatatta aatcgaattc ttaattagca taataaggta aacataatct gcaagaggaa 780
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<210> 738
 <211> 818
 10 <212> DNA
 <213> Arabidopsis thaliana

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 tttcgccgca gcttctcttc ttctcccttc atctcaaacc attttcatcc gatctcaatc 180
 ctcgaaatcgt cgggtctaact ctaaccatct cggagtaatc tacgagattg atatcgctgc 240
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 20 gtctcatggg atcgctaagc tcgttgagaa gctggccaat ccgatctctg atgaagaatc 420
 tatttcaatc tcatcggttc gaggatggcc ttgctctgat tacttcatca aagggtgtaa 480
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 atcaacgaag attcgaatca ccaagagcag ctgcaaagac atgggtttaga cttttagata 660
 25 aggttagagta aagcaaacct ttacagact gatcagatcc tatccagtct tagtgaaatt 720
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<210> 739
 30 <211> 818
 <212> DNA
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<220>
 35 <221> misc_feature
 <222> (1)...(818)
 <223> n = A,T,C or G

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 gagatgtcga gatctcagtt ccttgtagtg tttttcaacc attctaaata cttgtcgctc 180
 ccaccagtga tgggcaacgc aattacttct ggcacactaa aggtaacaag taaaccatat 240
 ttattaactt agcttgtgtg attgctaaaag aaaaggcaag acactcgcat tactcatggt 300
 45 tttatatgca gaatacgtca tagaacaatg cttactcgta ttctgtgatt gcattgacat 360
 gctcgggttag aggttctaga agggattgcc ttgttttgat tatcaggagc tcctctgaat 420
 cactctgaac cttccctcc cactcgtaca ccgattcaat gccaggcaca atgttcacac 480
 acgctgcaag cttttcctgg acaatgctgt tagccaactt cttccctgct tctctgttag 540
 gaacagtgac atagacaaca atgctgggca cagttttgct gctctcctcc attctgatcg 600
 50 acgaagaaaa agccttactg cttaaacttag accttaagag aggaacaaca gagaaagact 660
 gtgcacaacc cgatttgaag ggagatgaag aagaaaagaga agagattgag agagttgaca 720
 gaacgcaaaa cgctccgacg atcggaaaac tccgtcgaga tccgattacc gccgataatc 780
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55 <210> 740
 <211> 818

5 <212> DNA
 <213> Arabidopsis thaliana

<220>
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10 <222> (1)...(818)
 <223> n = A,T,C or G

<400> 740

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	tcccgcagaga	ctggatacat	catccgtgga	acgcacctga	gtccgttctt	caagctgctg	180
	gtatcgagct	tggatcaaac	tatcctctac	caattgtagg	attagatgaa	gcaaaagcac	240
	ggcttcatga	agcgctttca	cagatgtggc	aactagaagc	tgcttcaaga	gctgcaatag	300
	agaacggatc	ngaagaagga	cttggagatt	ctgctgaggt	agaggaagct	cctatagagt	360
20	tcccgaaggga	cattacaatg	gaagagnnng	aaccaaccag	actcaacca	aacaggagat	420
	atgaggatca	gatggttcca	agcattactt	cttctttgat	cagacctgaa	gaagacgaag	480
	agtcgtctct	taatttgaga	aattcagtag	gagatagcag	agcagagggt	ccaaggaaca	540
	tggttaacac	caaccaagct	cagcagcgga	gagcagaacc	ggcttcaaac	caagtcactg	600
	ctatgattcc	agaattttaat	atcagaattg	ttgcagagag	cactgaagac	tcaacagcgg	660
25	aatcttccag	cagcggaaag	agagaaagaa	gcggaggcat	agtccccgag	tggtctccag	720
	ggtactcaga	gcagttccct	agtgaagaaa	atggtattgg	aggaggaagt	acaacgtcta	780
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<210> 741
 <211> 818
 <212> DNA
 <213> Arabidopsis thaliana

<400> 741

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	ccaatgaaca	attagaataa	tctaaaaccc	tatacaatga	aatgttaaag	acaagtttat	120
	gttattcccc	tttttgtaca	agcttccaag	tcttatgaac	ataaaaagca	aacgcaaatt	180
	tcgtgcgttt	ttgtttcctt	gatgtcaaac	gtagtttctt	gccaaacaaa	ccacataagt	240
	cagcaagcta	gctgagatcg	atatccactt	tttccggtac	acacctttct	ttttggttct	300
40	taccaagctc	tgttccaagc	tgaccctgat	cgctgcacc	aaacgcgaat	agcttccccg	360
	attccgtgag	cgcaaagtga	tgagcgttcc	agtatatgga	gttcgttaga	cttatctgga	420
	ccatccgctc	gttcacttgt	tttagcgatg	ttactaccgt	tggaacttagc	acgtttgcat	480
	gtcgattacc	ctgttcatca	aaggatggat	ggtgaccgag	actagcggat	tcgccgcagc	540
	caaacgagta	aacatcacca	tcgtctgaga	ccacaaaagt	agtgtagtct	cctgttgcca	600
45	catgaactgc	tttgacatgg	cttagacctt	caacaacctt	agggaactgat	tcacactcct	660
	cgttaccgtg	acctaaacat	ccatatcttc	cccaacccca	agtgcacact	cttccatcct	720
	gacctaccac	cgcgcatgc	caagcaccgc	ctgcaactac	cctaggttga	agattcaata	780
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 <212> DNA
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55 <400> 742

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	taattgggat	aaagattaca	tCGTTaaaaa	tgtcgaagca	TTTTaatcaa	acatcagcaa	120
	aaacatggaa	gttcttggag	tcaacagaga	tgagtctaac	agcagcaata	gcagcagcaa	180
	gagacattaa	tccaaagaag	caaacattga	gccaatgcca	tagcttttgc	acaagactaa	240
	gtcatcatt	catagcaaca	agatacatgt	gattcgctaa	tatgaatgtg	agagggaacg	300
10	tgcttatcgc	tccggtaagg	ctcatgaaat	ctccgggaaa	cggtaaaagc	gcagagagaa	360
	gagtgtcac	cgcaatgtag	cttctctttg	ctactgttct	aaacaacaga	ttcttcattg	420
	ccaatggact	tcctttgact	ccatactttg	tgtccatata	ctcataagtc	ggacttgcaa	480
	aaatatgtaa	agagataaca	gattggagaa	aagctgaaat	gttagcgagt	gctttgaccc	540
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15	atccgatgaa	tgtaaccgcg	tacataggta	aaacaccaac	agtgaattga	aaatacagag	660
	ctttcatcat	gttttttaacg	accggttgct	tcaccgtggc	ctgtatttcc	gggagcattc	720
	ccgtgttgaa	tgcgaaaact	agatttgcag	ctgctcctgt	tatggtaaag	agtttgttta	780
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25 <220>
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35	tnnattegtc	tanaatnnnn
	agcttccaag	gcaaatgtct
	tgcttagagc	aataaacgca
	cttttgcttt	tgcttcttcc
	tgatcatcaac	gaaggcagac
40	gaatgaacga	tccagatgag
	cacaaaccga	tttattactg
	tgagaagaag	ctcactctta
	atttgagacg	aagagcgatc
	gtttcacctc	tctctctacc
45		atctttgttt
		tgtctaa

45 <210> 744
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 <212> DNA
 <213> Arabidopsis thaliana

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	ccgtacgagc	tcgattctgg
		tgaaagagtc
		accgtcgata
		caaaaatcga
		aacatgaatc

5	tttgagtttt	caccagaaat	aggacaatcg	aaactccaaa	ctgaaatata	gcagctaaag	360
	gaattgtgta	atatgcttcg	aaatcttctt	cttctcttca	attataaaact	gcaaactctta	420
	ataataattc	ctgtaaaacc	aagcttcaaa	caacatgagt	cggataatca	acagttttaag	480
	caacatagca	cctaaatcgt	tatcaccaac	acataattgc	tgaaattatt	gaaaggaaaa	540
	caaagaccaa	aagggtgagag	taactcatct	atggccaaag	taaaactaaa	atccgaccaa	600
10	caccgctgat	ggagccgtat	gctgtcggga	aaagagtcgg	ccatcttcac	tgaagaagct	660
	ggaggtgccg	aacgagagcc	cgattaaaaac	gggacgtaag	agccgaacat	cgctgctgtg	720
	aaagtcagac	gatttcggag	tagagccgac	caatcaacgc	taaaaaagcc	attgatgtcg	780
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	atcaccagaa	gcataccag	gcttatgtta	ctaattacaa	taatgctctt	gagcagcttg	180
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25	tcaacggcgg	aggtcatgtc	aaccattoga	ttttctggaa	gaaccttgct	ccttccagt	300
	aagggtggtg	agagccacca	aaaggatctc	ttggtagtgc	cattgacgct	cactttggct	360
	cccttgaagg	tctggtgaaa	aagatgagt	ctgaggggtg	tgcagtgcaa	ggctcaggat	420
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30	agcacgccta	ctacttgacg	tacaaaaatg	tgaggcctga	gtatctgaag	aatgtatgga	600
	aagtgatcaa	ctggaaatat	gcaagcgagg	tttatgagaa	ggaaaacaac	tgaatcgttt	660
	acacgatgac	ataaggagat	gaaccagttc	cagctcagct	tttgttttta	ggttgtctga	720
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 <223> n = A,T,C or G

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	aatcacccac	taggacaaaa	aagaaaatac	atgacaaaac	cttattaagg	accgaatttt	180
50	aatttattag	ccgaatatct	tatgacttat	gcctagccgc	gaaccgggtt	acaagagcca	240
	atgcattact	agtaactcga	gccacatgaa	ccactcttct	tctaatacgt	gatttgacca	300
	caccgtccat	aacctttcca	tcgaaacat	ccagacacgt	tgtctcatcc	gttaaggcag	360
	cactaaccca	agtctcaacg	ttacttagtc	tccacaagaa	ctcgtctcga	tcacgaccag	420
	atcgaccaac	ttgcttcaac	tccctcatcg	actgagccaa	catctctaaa	ccgtctccaa	480
55	gattttcaac	acaatccttc	acggctaagt	actctctcct	tttgattctc	ctagcttttag	540
	tcagcttccc	tacatagatt	gtcgtggact	gaaccgggac	tagagtaacg	gctaaagcgg	600

5 tttgagctaa ctgggttttcg ttgcnnnnga ttttgtctgc aaaagcggca aggcatttga 660
 cgcagagagt ttggtaacgc gtgannnggc atgatgagac aatgaagttg atgctgctgc 720
 tagggtttgg tgatgatgaa ggtttggcta tgggtggattg gcagagtagt ggaagaaaaa 780
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10 <210> 747
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15 <220>
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 gaggaataaa ggcgattaaa agagaagata gggtttctca cagacgaatt ggagaagacc 240
 25 aaagcagaca acgtcaaaact ctatgggaaa atccgttatg tccaagacta taaccatgat 300
 aaagtgtttt cccgaggatc gaaaaagtat gtggaagatc ttgaaagtgg attcagctcg 360
 gatgtcgaat caaaatacaa gaaaatttac gaagatgaca tcaacccttt tgcagcattc 420
 tcgaaaaagg aaagagagca acggatcaaa gatttgggaa tcagagatcg gattacgcta 480
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 30 ataggattgc acgtccttgt cttcacttgt ctctaccgta tgtctgctta cagttatctc 600
 agccatggag cagaggagac tctaatagaca gaagcaacca caaaccttnn nnnccggtctt 660
 taagctctca ccctagggac ttattcgttt ttggtcggtta tgttctttct tgtccttgta 720
 gtgttcctg ggcaattcta aaacggttga atatttgtac agaggggatcc aaatcactcg 780
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35 <210> 748
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 <212> DNA
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40 <220>
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 ctcaatcgaa gctaaaggga ttatatagac aattattgtg tgtgtttgaa tataggacgc 180
 50 agatataatg tggcttagag atccatttcc tcggttatat ccagatggag acttccaaat 240
 ggcgtgtgac agattctttg gaaatcctta tgattcagac aattgggtca atgggtggtt 300
 cacatacgtg agatcaaaca atcgaagcat tgagttttac aaattttggc acaaactctg 360
 tctagattat ccagacttgc atgatcaaga tgtgttcaac agaatcaagc atgagccttt 420
 tatctcagag attggaatcc aaatgagatt ctttgataca gtttactttg gtgggttttg 480
 55 tcaaacgagc agagacataa acttggtttg cacaatgcan nntaattggt gtattgggtt 540
 ggacaagaag cttcatgatc tgaatcttgc ctttgatgat tggagaaagn nnctgtcttt 600

5	gtcagnnnca	gtgcagaaca	cgacgtggag	tgnnnctatg	aagtgttttg	aagattgaga	660
	ttcnccttctt	tctttgtttt	gttgagattt	ggatgaaaag	tatatTTTaaa	aatgaagagt	720
	ttattgttctg	tgcaaggaat	attcctttagc	tctctaattct	aatcaaatat	ttttttttgat	780
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10 <210> 749
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 <212> DNA
 <213> Arabidopsis thaliana

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	taacaaaaaa	aaaagaacaa	aagattaaac	taaaattaag	attagagaag	acatcatcat	180
	ttgcaagtc	aagtcccaaa	ccttctagct	caaagagagt	ctcttcacgt	tccacattcc	240
20	atcttagtta	ctccccact	gtttgtgacc	aggaacccat	ttaggacact	tggggctgaa	300
	gtaactatca	acaacccttg	agttcaatag	ctcgataatt	ggagcaaact	tcacgcatct	360
	cggcgtctta	tactgattaa	tcgatgctcc	caagctgatt	gcgtaatcca	tgagcttatc	420
	gaatgtccct	ggctcaacaa	tcttgatctc	aagcgggcct	atggacttgt	cactaaccct	480
	tccttgtcta	taaacagtgt	tgaatgactc	ttctacagct	aagcagcagt	cctcgaagac	540
25	cgaaggagg	atcgggtgtgt	ttccatccaa	acatagctcc	caaaacagga	cataatggcc	600
	tgggatggaa	cttgtgtctg	catagctcgt	gtactcagag	agtgaggcat	caaatgggac	660
	aagggtgtgtc	actgcgttct	tcaccgcgtt	ctgaagctca	acctcgtcgg	tcttgtcggg	720
	atctatgctc	aagaccacat	ttttgcgaca	tatgaaactg	aattgaggcg	ctttgttctt	780
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 <212> DNA
 <213> Arabidopsis thaliana

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	tgacttgcaa	ggacactcaa	caatagccac	gcgaaagaaa	aataatccaa	aagaaaaaaa	180
40	aagagttgaa	gagagaatat	gagacaagaa	gagctaatac	acatccactt	caataattca	240
	ttcaccattg	tcaaacggtt	acagctttct	acaacttcag	ctcgatcacg	acttacacat	300
	catgcttcac	tgctgttgct	gctggtatcc	accaggctgc	tggtagtttc	catagccgcc	360
	cccagcataa	ccaccgtagt	aggcgttagg	gtcctgagga	ggagggtgcat	atccgtatgc	420
	ttcatatcct	tgaggaggat	acccatagta	tcctccacca	ccaccatact	gggcttgatc	480
45	aggttgagtc	tgtttgttgg	aaggactgcg	accccatgaa	agacgaatgc	tttgtcccc	540
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	aacaaatccg	caacgttttc	ctgcgggtat	tttcacatga	actagttcac	caaatgacc	660
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    cattgattaa taaaagttaa agtagctctt ataacaccat ctcatattggg gcaggtaggt      180
    tcgaatgcga atggaccaac gttgtacaca ctgtacttga accatctcat gatggtcgag      240
15  gaaaatcctg gtttcaagac cggctttaga acggagccct tgcctccatc gtggagtgc      300
    gacactttgc tgcacttggt gtctggagac ttcacgagga aagctcgaca acctttgata      360
    tcgtagttgg tcaccgtctt aggggccagg agcatgaagt atccgttctt gtccgtcttt      420
    gtctccgata ttgagttctt cttgttcttg cacacaagtc tcaccaccgc atctttaacg      480
    ggttttagcgc cttggacgtt gttgacgcc gcgtacttgc aagctttgca gtagaccaca      540
20  cctctaactg ccactagggt cttgttgtag ttaggagggg aaactgggtg gagaacagga      600
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    ggaagagttg gtagtttgat tggnggtagg ggaaggtgtt ggnnnaggct atggaaggga      780
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    tgtctcctta ggattgtggc ttgatcaggc aatgagacta tgtgcttcaa aattgagact      180
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    ctgcttacga atgatatgag aggttcttgg tacaagagtg tttcctctgt ttttggtctc      300
    agaccacgga tcagagggtt gttattcttc attgttggtg ttgtggctct agttactatt      360
    ttagcaccat tgacatctaa ttcgtatgat tcttcgtcaa gttcgacact tgtgccgaac      420
    atttatagta actataggag gataaaggag caagctgctg ttgattatct tgatctgagg      480
45  tctctttctt taggggctag tttaaaagag tttccttttt gtggtaaaga aagagaaagt      540
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    ttagatcgac attgcgagtt tgaaagagag aaggaaagat gtgtagttcg tcctccgaga      660
    gattataaaa taccacttag gtggccactt ggtagagata tcatatggag tgggaanntg      720
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cggttaagcc caaacccccc gggttgcaag ccgagagcca tcacaaaact cataagttgg 240
10 ggtcgaagtc tcacatccca cagcgccagg tttattgggt ctaaagtctc caattcaggg 300
tacataccaa ttggtcaaga acccattcga gaaaagcccc acccggttcc gaaagggtcac 360
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ttttcacttt tgttactatt tttacccttt tgtagatat gtacatatcc tgtatgtgaa 720
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30 cgcagaaaat ttgagaaaag ctttctctga ggcagaagct agaaattccg agctggcgac 240
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35 acgggaacca gagtctgagg agaaaccaca gaaacatctg aatgaaaagc aacaggaaaa 540
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40 actcaaagca actggagcag ctagtttaac accgc 815

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50 aagacatata tagagtcgac atgggttttg ctctttttta agtactaagt gattggtaac 180
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55 ctccatagct cacttttact ggatcagctg gataacaaga cgacattcca acaatgtaac 480
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5 caccgttctc tcggtataga gcaccaccga taccaccagc gtgctgggtga gctaccccgt 600
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<212> DNA
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20 acgtctgcgt catctttagt aagagtatct ggagaatctc gcggtaaaag accgagaaga 240
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25 attagagagt ctctatagc aaaccattcg tcgctaatac ccaactgtct gttaaaacct 540
gacacgagga taacctgagt catcccaaga cccgtgccaa aaattgtcgt cacgagaaag 600
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gcaattgagg tcacaagttt aactcgtccc agaaactccg gggtaaaacc gagtttggtc 720
gttgtgaagt aaaacattgc agaactctgag tgtggtgtgg cttgccataa gaatataaat 780
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<212> DNA
35 <213> Arabidopsis thaliana

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40 aaaacgaact ccctcaaaga acacaaagct cacacaaacc cccaagtca acatctcctt 180
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gccaagtatt cgttcttaga aagctgagct tcatagacat caagcacttc tgcaagcttc 420
45 tcttcaactc ctttaataac tttctcatca gcagggaac ccataagtgg tgcaagaca 480
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55 <212> DNA
<213> Arabidopsis thaliana

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<400> 758

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	cagaacacaa	catgtcaata	aacctgtaaa	cactctctct	aacttggcaa	tagtctcaca	180
10	aagtaacgta	caacataaca	tgttcacgga	tagccatcga	gcacgccttt	gagtaggttt	240
	aacccttccg	cagatatgct	ccgcctcacc	cgtgactgca	ttcggatctc	tatcctctgt	300
	ggaggatccg	gagagaagca	cacaacaatc	actgtcaa	tgacacatgt	attccgttta	360
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	gatagttgcc	cgttgaggta	accgtcatac	acaactccac	ctaacttttc	tattcttact	660
	ttctcggtcg	tgcatgttgg	tttgtgatct	ttggacaact	caattgccct	acctcttctc	720
	cccagtactg	ctcggcaatc	accagcattt	gcaattatca	acctccgtcc	aaaaataaaa	780
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<212> DNA

25 <213> Arabidopsis thaliana

<220>

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<222> (1)...(814)

30 <223> n = A,T,C or G

<400> 759

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35	tttcaactca	ctctaactatg	ttcttgtgac	taatcgattc	ctaataactcc	agtgcaaagg	180
	gatggaagtg	aaatcagcct	aaatgtttct	taatcattgt	ccatattgcg	tttgcggtta	240
	ataataacta	agtagcttct	tgaagagagg	aacaatcgca	accatagcaa	gttggagctg	300
	ctcggagctg	ttaacacgaa	cacttacttg	ccctgctcct	ctattgttca	gattagcacg	360
	agcaattaaa	ttagaggaac	gtccaatggg	aacctgagac	tgtatgttcc	ctccaatagc	420
40	aagatcaccg	tgccaatcca	ttacagaaag	tccaagagta	gtcaaaaacc	gaccaagcgg	480
	ataatcttta	tctctcaact	gagctnnnaa	agtaccacca	taagcaaaat	ctccccgact	540
	agtcatagct	ccaccagaca	ttacgattct	gaaccattta	ctagcaataa	acttatcttc	600
	gactttcaac	ccgcagaaa	ccgaatcacc	caagtgtgtt	acagaaagac	cagctgcagc	660
	cttgtttctc	ctgaaattgt	taaatctcgt	ttcgtcttga	agagtataag	ccaattcctt	720
45	tccaacagtt	tgcatgtcga	aacctagggg	agttgattta	ccctctccat	gtttaaccga	780
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<210> 760

<211> 814

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(814)

<223> n = A,T,C or G

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tctccctgtc atccaaacca caaccaaacc gagtcctaat tcccaaattc gccaaacttc      180
10 cccaaattcc caaatccctc acttctctca cggatctccg tagcaaagca ctatcactct      240
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aggcgatgga gaaagcacag ctcttcgatt tcaatctcac gcttcgcatc atcgttggtg      360
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tggatcaaag agacgcttcc atcaaagaga agctcgcgag tgtaaggac acttcgactg      480
15 aagtaaagga gctcgatgag caagccgccg ccgtgatgag agcagctagg gctgagatcg      540
ccgccgcgct taacaagatg aagaaggaga cttaggttga agtcgaggag aagctagcgg      600
agggaaggaa gaagggtggag gaagagctaa aagaagcttt ggcgagcttg gagagtcaga      660
aagaagaaac cattaaagct ttggattctc agattgctgc tcttagtgaa gacattgtca      720
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<210> 761

<211> 814

<212> DNA

25 <213> *Arabidopsis thaliana*

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30 tgatggaatg ggacaggata aaattctaag actcagaagt cgaagtcgca cttgatcggg      180
aaaacaatgg aggtagttgt agttccgttt gaggtactta aaggaagcct tagatcatcg      240
caatcaacct taggcttaat cctcctaaac ttcaagtccc caagcttaaa cctaacccta      300
agcctgaact tgatctctat attgtataca ccggatatcc tctccgcggt taaagtccta      360
gactgtccgg cgttaaaaat aacaagggttt tggccttgga acgttggtgt gagaacgggt      420
35 gtgtttttgt gtccttgata gaaaggagtt aacgtgatgg tactaaaccg ctttccctcg      480
tagtaggcat gagcttcgat cctatcgtag tagagtccga tcctcttggt tgggttacgg      540
acaggaacag tgagggctag gttatacctt aaaatgttgt ccggggaagt gtggtcaaag      600
cgggtaaggg acgcatcggt cacgtgaaac ttgatggcac gaggtcggac gatgagccag      660
aagatgagag cggctacgcc gaggatgaca ataagggata tgattacttt gacgaataag      720
40 ctgaggaggc agcagccaca gccacgaccg tgcccacgtc ggtagtagcc tttgggagct      780
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<210> 762

<211> 814

45 <212> DNA

<213> *Arabidopsis thaliana*

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 762

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tgggtgaaga aggagcatct ggctgctttt ccggtagtgc attttgaaac acaggcagtt      180
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5	ccttgtatga	ttcgtaacat	tttgcaagat	ttgggtatgg	ttccatgtta	atctggaatc	240
	tggttgattgc	tccgtggatc	tgtgggtgcta	gaaagagatc	agccaggtaa	atttcacac	300
	cagtcgcaag	tttcccagcg	caattcacca	acagtttctc	gagagctgta	aatccttttg	360
	tgatagcatt	attaacccaa	gcagtcttct	cctccacatt	tatcttttcc	tcgatatacc	420
	taataacagc	cagattttga	tgaggetgta	tgccagacaa	gacaatactc	attgcctggg	480
10	aattcacagc	tcgtttatgg	aggtcacgag	gtaacaaagg	tggttcaggg	tacttctcat	540
	ccagatactg	tcaatccaaa	caccacaaaa	ccgaagatcg	atgaaatgtt	ctttttaatc	600
	aacaatacca	aaaaaaagtt	aaatggatgt	gttactactg	accattatta	tcgcaaaaga	660
	atcattaatc	acaacatctc	catccaccag	agctggtaca	gttcccattg	gattgatctt	720
	cttgaaatct	gaatcgaa	gatcaccctt	gagcaaatc	actggtatat	actcataatc	780
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<210> 763

<211> 813

<212> DNA

20 <213> Arabidopsis thaliana

<400> 763

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25	gaccatctct	tatcgacaga	agctgtat	gtctgaccaa	cgtagtgag	tggtggttcc	180
	gatttttctc	aggaatccga	gcataatct	ttagcataag	ttgtgaggcg	gatagtgctt	240
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	tcgccgccaa	tttctggcag	tggtgaagct	cgattttccc	ggcttgatgg	caaaatccag	360
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30	gcgatagaag	tcattgattct	tccatctact	gagaggccca	tgctcgcgtg	cctttggaca	480
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	agatcacgca	gagagacatc	gtactgagtc	ttccaatttc	cattccattt	gccttacta	600
	ggagataaag	tgatcagacg	cttactgtgt	tttgagctcc	ctcctccatt	aatggctgcg	660
	gaagaagctt	ggtgtttctt	ggagagggaa	gaaaagggaa	ggtgatgagt	attgccggaa	720
35	actttaatct	tcgagttcaa	aagatttgga	gagatcaaac	aacgtacatc	catggatgat	780
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40 <212> DNA

<213> Arabidopsis thaliana

<400> 764

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	caaactcttg	tctgtttatc	tcattctctc	cacgaccgaa	cccatcaaaa	catatgtcgg	180
	aatcaccacc	gatttttctc	gccgattaaa	gcagcacaat	ggagaaatca	gaggtggtgc	240
	aaaagcttca	agtgcaggaa	gaccatgggt	ttgtgcttgc	attatcactg	gattcacttg	300
	tttaagtcaa	gcttcttcgt	ttgaatcaaa	atggaagatc	ttttcaagaa	agttaccgcg	360
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	accaggtaac	caaacgacta	acttaattaa	tcaccgatgt	gctctgcagc	ctcacaagat	540
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10 <212> DNA
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<220>
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15 <222> (1) ... (813)
<223> n = A,T,C or G

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25 aggcaatgcc actgtaatgg ttcaagatca cagcagactt ctcacgtcca acggagattt 420
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30 cnnncattgt attctttcca atatttcccc tctttgcccg catggctatc gccggtaaga 720
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35 <211> 813
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5 <212> DNA
<213> Arabidopsis thaliana

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<212> DNA
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<212> DNA
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55 <400> 769

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	gtcccttatt	tcattattgg	taattattcc	tttcatacga	gagatctcag	cgagactgaa	780
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 <211> 812
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	tgaatcacac	aaaaacaaaa	gaagaagaaa	gaaacagaga	tgaattgtta	caaagatata	180
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	gccggagatt	ctacgtcaac	cttactcgtc	ttttgtctct	ccgccattgt	ctctcagccg	780
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	acgaaagtct	tcttgaaaag	cttcaccgaa	gcgacagttc	ttctagctcc	tcaagtgagg	300
	aagaagggtc	agatggtgag	aagaggaaga	agaagaagga	gaagaagaag	ccaactactg	360
	aagttgaggt	aaaggaggaa	gagaagaaag	ggtttatgga	gaagttgaaa	gagaagcttc	420
	ctggacacaa	gaaacctgaa	gacggttcag	cogtcogctgc	ggcaccgggtg	gttggttctc	480
55	ctcctgtgga	agaagcgcac	ccagtggaga	agaaagggat	tcttgagaag	attaaggaga	540
	agcttccagg	ataccaccct	aagaccaccg	tagaggagga	gaagaaagat	aaagaataag	600

5 aagattatca ttaaagatat taagaataat gatggttgat ttgctttggt tttttttttt 660
 ttattgtgat gattgatcat cttttgcttt tgtgatgtgt aagtttggtg gcttttttgt 720
 tgattacaat ttcttatttt ctcttgata tggtttttaa aaacaaaaga tctcaaggta 780
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10 <210> 772
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

15 <220>
 <221> misc_feature
 <222> (1)...(811)
 <223> n = A,T,C or G

20 <400> 772
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 tctagtattt atcatgtcct ctaagacaaa cggaatacac aagtatgcat acatcaagac 180
 atatattgca tacataaatt aacacataag tttgagcata tctcttacta acttgatca 240
 25 cagtggaggt ctctccaacg agacataccc gaatttgctt ttgcgaaaat ccgttagtat 300
 tctaaatgca gcttgatgac tatctccacc aaacaaatta agaccaagcg tcttcacaaa 360
 tttttcccg cagttgcctt ctagctggat cttgtatcgg ttgtaaagag cctttgcgcc 420
 tacttctgga atccgtgcta acatnnncac aaggattcca gcaacatcag tgaagtcata 480
 agctttctct ccaatgtcat cacaaattgc cagctttata gcagctgctt gatcatcgat 540
 30 acgcatagga agcattccag gtgaatctaa gagatcaaga tctttcccaa gcttgaccca 600
 tttcatttct ctagttacac ctggtcttgg agctgctgcg caaatttttc gtttcaatag 660
 acgattgatc agagatgatt tcccaacatt aggggatcca attattccag ctctaactga 720
 tctagggaga agtccttttt ctgcgcgttt ccattttacg tcacctgcta aacttttggc 780
 taaccgacct agcttcatag ctcccatccc a 812

35 <210> 773
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

40 <220>
 <221> misc_feature
 <222> (1)...(811)
 <223> n = A,T,C or G

45 <400> 773
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 ggtaaacact aaggtgctcc ttctcctgca ggtccgggtc gagcattcaa caatgggtgc 180
 50 agagccttca cgacaatact catgtttggt ctgaaatcag cttcgtattg tacacacaat 240
 gcagcaacag cagctaactt agcaacagct tttggagggt aatctcctcc cagtcttgaa 300
 tcaacacact gcttaacctt gtcttcgctt agctttgggt tagcccatgt gactagactt 360
 tgctggcctc gaggcaatgt atgatcaaca ggctttcgac ctgtaagaag ctcgagcagt 420
 acaactccga aactgtatc gtcactcttg gcaactcaat gccagtcac tgcatattca 480
 55 ggggcatggt aaccaaagggt tccaagaaca cgagttgaat gaaggcgtgc tgccatatca 540
 ggagcttgat ttgagagatc aaagtcagct atcnnnnnna catcgttatc aaagattaga 600

5 acattgctgg attttatgtc acggtggatg acatgtggat ttgccttttc atgtaaatac 660
tcaagccctc ttgctgctcc aacagcaatc ttcactcggt gatgccacga caagagtggg 720
ccaggctttg ctcccttcac acctttttct ccgtaagaa tatcatgaag agatccattt 780
tgggcaaact caaagacaag cggacgcgtg g 811

10 <210> 774
<211> 811
<212> DNA
<213> Arabidopsis thaliana

15 <220>
<221> misc_feature
<222> (1)...(811)
<223> n = A,T,C or G

20 <400> 774
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caaaaaataa aacaagttga agctgaacag gactctagcc acatccattc ttataacaga 120
cttagatacg aatgatcagt aaataactcc tatcatccaa ccaaactgta tcttttggtt 180
ggagtaatta gagatcttac ttgatttaaat ttagaagaat gataatttag agaggcacag 240
25 ggtaacggtt gatgcaatcc acccaaggat tggtcctggt tggcttcttc accttcctca 300
ttgccttcca caccacactg ttacacttan nnccagaacc gaaagcgatc tgccaaaccc 360
tatcgctctc acgaacactt tccttggcct ccatgtaagc nnactcatac cagattccac 420
tgctagaagt gtttccaaac ctgtgaagtg tcctcctaga agcctccata ttctcttcac 480
tcaagcctag attcttttgn nnctcttcaa gcactacttt gcttgccgcg tggaagcaaa 540
30 aatgctcgaa ggcgagcttg tagtccggga tgtatggctt ggacagatcg gaagaggaag 600
acttgattcc attggttttt gcggtggcgg aagtagagaa ggaagtgggt gtggacgttt 660
tggcagcagg tgagaatggt cggcggagca aagcagcaaa gaagagaagc tgctcggaga 720
aaggtaggac aagaggacct aaggtagtga tgtttgtctt gagagcttca cctccaactt 780
ccattaagtc tctacttatc cggacgcgtg g 811

35 <210> 775
<211> 811
<212> DNA
<213> Arabidopsis thaliana

40 <400> 775
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aaaaaaagaa aacaacaatg tgaacacatg aaattggaag aaagtgtaaa tacttgaaac 120
ttttcaatct aaagggtttt acagtttgat gtgatctcaa ataacaaaaa aaggtaatac 180
45 gaactcataa actgttggtc aaaaagggaa caagagaaac attgtcaatc taattcagtt 240
tagatgaaga ggctgcaaaa cccgaactca atcttggtgt cgttttcacc atcctcatct 300
ggagcagaag ttccctcaga atatgtgcac caagtcatac gcaaatgtcc agaacagcac 360
aaacgacata aggccacca gaaaaccgtc aaaaagaacc cgattccacg aatcaaagta 420
caagtcagct gagaatcctg ccttagccat gagcccaaca gatgtgatca acatcaccac 480
50 aaagtaaaat acaaaaccaa tcaagccatt gaatccaatt attcctgcta agacaccagc 540
tatgatagac agaaacgtcc ggctgttttg aatgactttc aaattgttct gcaaattctc 600
tgcaactgaa gttgggtatg cactcatgat atcctttgat ctcttctcag atgaacccat 660
ttaagataac aacaataatt agaaacgaga gtagtaagag gaagatcgaa gtagcttgct 720
ttggtaactt ggatgaattg aatggagagg atgagccaat ttgagagaga acaatcagac 780
55 gaatatcttt aagttcttta cggacgcgtg g 811

5 <210> 776
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 776
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 ggtttcgaaa aacaacgaac tatttgttct ggacaagctt ttattgaaca agaacttgca 120
 actatatggt ctggataagc ttttattgaa caagaaggta gcaacaacta ctaaaagagg 180
 ggtaggcttt tagggaaacg aacctgcac cattgcttct catacgtaac caaatggctc 240
 15 caacctattt cctccagcaa atccagttaa agttcgtaga gtttcttatt cgcagtctcg 300
 ttctcgtttt ggatcaagtc atcaagtacc ttcaatgcgg tcccgagtcg tgatagccgt 360
 ttctctctta gaacagtgc agtaccgtat ttagatgatt tcacgtctac ccattttgtc 420
 agttctttga aattctcttc gaatttatcc ttctggttac tttcttcttc tccttcacct 480
 tccttctcac ccttcagatt ctgattctc gccatggcta accctttctg gtatagtgc 540
 20 tccgccagtt gatcacgtgt caacctcatt tttttcttca atttctctgc ttcattctct 600
 tctggttcag ttttgtctag caagaatctt gctagctcat ctacgtcaac actgcgtact 660
 acttcgtttg cagcttctat aatctcttcg tgatggctga ttttgtcccc agcatcagac 720
 cgagacagta aaccttcag gatcttagct agtaatggag tatagtctgg gtattcagac 780
 ttgagacagg tacacaactt tctccactct g 811

25 <210> 777
 <211> 811
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 777
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 gaattgaagc tggttggtga gtatggtctg cgtaacaagc gtgagctctg gagagtgcag 180
 35 tactctctta gccgtatccg taatgctgct agagatcttt tgactcttga tgagaagagt 240
 ccaagaagga tctttgaagg tgaggctttg ctccgtagga tgaaccgtta cgggcttctt 300
 gatgagagcc agaacaagct cgattacgtc ttggctttga ctggtgagaa ctttcttgag 360
 cgtcgtcttc agactattgt gttcaagtct ggtatggcta agtctatcca tctactctcg 420
 gtcctcatca ggcagaggca tatcagggtt ggaaagcaat tggatgaacat tccatcattc 480
 40 atggtgagac ttgattcaca gaagcacatt gactttgccc tcaccagtc cttcggtggt 540
 ggccgtccag gaagagtga gagaaggaa gagaagtctg cctccaagaa agcctcaggt 600
 ggcggtgatg cagacggtga tgacgaagag taaatctgaa gtgcgaccgt ttttagctatg 660
 aatcaatctg ctttttgata tttttagta agcaactttg ttgttcgttt tcagaggatt 720
 gttttatggt ttctttcttt tactctcgag attgctaaac ctttgggtta tcatctattt 780
 45 ctcacaatta tctttaaaaa aaaaaaaaaa a 811

<210> 778
 <211> 810
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
 <221> misc_feature
 <222> (1)...(810)
 55 <223> n = A,T,C or G

5 <400> 778
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 acatcaaaga cacaccaaca gccaaacttg tcaagaagtt cttgcagact ttgagaattt 120
 gctgccaag tttatcaagg ttttcccaag agattacaaa cgtgttttat cagccatgaa 180
 acacgaagag gtctccaagc aagcaatcga gcggttctt gagaaagctg acgagactga 240
 10 agagaaaagaa ctcgaggaga aagatgcatt tgcagaactg aagaacatgg cagctgcttc 300
 gtcaaaaagag gagatgtcag gaaacggagt ggcagctgaa gctagacctt ctaaggtaga 360
 taatgctgtt aaaaacggtg gtttcattgc ttatgagcgt gagggagtta agtacaggga 420
 tccaatgtt cgtcttaatg actggaacga agtcatggag gaatcaaac ctggaccact 480
 ccttacaact cagtcagctc gttgcatgga ttgtggaact ccattctgcc accaggagaa 540
 15 ctctgggtgt cctctcggtg ataagatccc tgaattcaat gaacttgtct accagaacag 600
 atggcaagaa gccttgaatc gtctacttga gacaaacaac tttccagaat ttactgggag 660
 agtatgccct gcaccatgtg aaggttcttg tgnnttggg ataattgaga accctgtttc 720
 tatcaaaagc attgaatgtg ctattannnn naaagccttt gaggaagggt ggatggtacc 780
 aaggcctcct ctcaagagaa cagggaaaaa 810

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<210> 779
 <211> 810
 <212> DNA
 <213> Arabidopsis thaliana

25

<220>
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 <222> (1)...(810)
 <223> n = A,T,C or G

30

<400> 779
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 ttcacgggtc caaaaactat ataaggctta ttccttttcg acattgtcaa aactttcaat 180
 35 gtcagatgtc caaacacaaa gccaggaaca aaaaaccttc tcaaacact ttagtagacac 240
 cgaatccggg caacgatgat cacacttata acaaatcggt cgagtatgac tattgttccc 300
 aagaattttc atcgatgcag agccnaaata gaacgtgtaa cctgacttaa tataaacgga 360
 agatccgaat atacactcaa ggtggatagt gatacaacat ttgttgcag agtagaacca 420
 ttctcttggg ttcaattctt tctcgcatac ttcacacca tatgctttct ctgcatcttc 480
 40 tccatagcaa agcgacagaa gatgtgcac atattttag tagtaactcat atggaatggg 540
 cgcacatcga taacacatag caaatgagca aatagtacat tgcagataat actcatcacg 600
 aacactatct ttgcaacat cacaagaaat gtttcctttt ctagaatatg atgtggagat 660
 gaataaagga tgttcatgac ttttgtgggt gaaacaatca ggaactaaaa tgcacgaaa 720
 atctatctga attgttatct catcatcgca atcagttttt gaacatttgt acctgaaacc 780
 45 agtggactca cgggcgcaag ttgaacaact 810

50

<210> 780
 <211> 809
 <212> DNA
 <213> Arabidopsis thaliana

55

<220>
 <221> misc_feature
 <222> (1)...(809)
 <223> n = A,T,C or G

5 <400> 780
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aaatgaagtc cattagagat gctgaggcac gtcagctaga ggaagaaact gcgagaaaagg 180
cttttctgga ggaagaaaag aaaaaagagg aagaagctca aagaaaactc gaggaggaac 240
10 aggagctaga aagacaacta gatgcaaaaag aagcgtcttt acctaaggag cctcaagctg 300
atgaagagaa tgccattacc cttctaattcc ggatgccgga tggaacacgt cggggccgcc 360
ggttccttaa atctgacaaa ctccaaaccc ttttcaactt tatagacatt gccagagtgg 420
tgaaacccaa cacttacaga ctggtgaggc catatccgag gcatgcgttt ggagatgggg 480
aaagtgaagtc gaccttaaac gatcttggat tgaccagcaa acaagaagca ttgttccttg 540
15 agcttatcta gttttaagct cttaaatata taagaagaat tacatttgtc ttctgcttag 600
aaaaactcttt aattttcaag ttattttntt tatctttctt tatacaaaaag aaaaagtatt 660
tgttgagggg ggaggattat atggtttata aaaccgtcgt cgtttagtcg tttcagttgt 720
acatacaata ctgcctaata tctgtctctc tatctgtcta gtagttataa tgtttatcac 780
atcttcaaat ttgctcaaaa aaaaaaaaaa 809

20
<210> 781
<211> 809
<212> DNA
<213> Arabidopsis thaliana

25
<400> 781
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tcaagaacaa cacaagactc aggcaaacat tggttgtgtg ctttattcga aactataata 180
30 atatctgaag aaagtgacaa gaagaccaga aaagagagag gtgaggtgaa aaacggtttt 240
ggtgcatggg cctctctagc gagcgtcctt ggacaaaaga ccttgcgctt caactttcct 300
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cgtcccaatg cacattgaca ctactccaaa acggcagctt ttaccacggc gtttcatctc 420
gtgcaacaat gtagcaacac aacgcgctcc tgtagcgcgc aaaggatggc ctatggccat 480
35 tgcacctccg ttgacattga ttttctctgg gtcaagtccc aatttggttac ggcaataaac 540
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agccgcctta actgcagcag gaatggcaac tgctggaccg ataccatga ttgcagggtc 660
aacaccaact gcagcaaag tcttgaatac accaagaacg ggaagtcctt tttgcattgc 720
aacacttctc ttcattagga gaaccgctcc tgcaccatca cttacttggc tgggaatttcc 780
40 agcagtagtg gtgccatcct tcgcggccg 809

<210> 782
<211> 809
<212> DNA
45 <213> Arabidopsis thaliana

<220>
<221> misc_feature
<222> (1)...(809)
50 <223> n = A,T,C or G

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55 caagaaatgg cgaattacat gtcggaagca gcacagctca gaagaggtct aaagcctaaa 180
gggaagactt atggggttgac caatcagaag agacgagaga tcagagagat ctttgcattc 240

5	ttcgacatag	acggttcagg	tagcatcgat	gctagcgagc	tcaacgttgc	tatgaggtct	300
	cttggatttg	agatgaataa	tcagcaaata	aacgaattga	tggcagaagt	agataaaaaac	360
	caaagtggag	ccatagattt	cgacgaattt	gtgcatatga	tgacaaccaa	attcggagaa	420
	cgagactcca	tagacgaatt	gtctaaggcg	tttaagatca	ttgaccacga	caataatggg	480
	aagatttcac	ctcgtgatat	aaagatgatt	gctaaagaat	tgggagaaaa	tttcacagat	540
10	aatgatatag	aagaaatgat	cgaagaagca	gaccgtgaca	aagatggaga	agttaacttg	600
	gaggagtcca	tgaagatgat	gaagagaacc	tcttanggct	aagtataann	caattagtaa	660
	tggttgatga	taatatttgt	taatnccctn	nnnttttaat	aataaagaag	tttgatttgt	720
	ggcttggtcg	aataaaaaatg	tattgttgtn	naaaaataat	aatgtaattc	acatccatta	780
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<210> 783

<211> 809

<212> DNA

<213> Arabidopsis thaliana

20

<400> 783

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	ataaggaaag	gagctgcttc	tgttgaagg	gttgaagcta	aactatggca	ggtagcagag	180
25	acgcttcacg	aagaggcact	ctctaagatg	agcgaccac	caaagagtga	atccccaatc	240
	ataaccccga	atgagctagc	tgaagctgat	gggtttgtct	ttggtttccc	aacaagattt	300
	ggtatgatgg	ctgctcagtt	caaagccttt	ttggatgcaa	ccggtggact	ctggagggct	360
	caggcactcg	ccggtaaacc	agctggatatc	ttctacagca	ctggctctca	aggtgggtggc	420
	caagaaacca	cagcattgac	ggcaataact	cagctggttc	accacgggat	gttatttgtc	480
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	ccatattggag	ctggaacatt	tgcaggagac	gggtcaaggc	agccaacaga	gctggagcta	600
	cagcaagcat	ttcaccaagg	ccagtacatt	gccagcatca	ccaagaagct	caagggatct	660
	actgcttaga	gcttaaaaag	attatgggtat	caataagaaa	aaaagaaaaa	aacagtttgg	720
	ttctgctttt	ttttatattc	tttctctttg	aatttggggg	cttttgtgat	ttttcggtt	780
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<210> 784

<211> 809

<212> DNA

40 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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45 <223> n = A,T,C or G

<400> 784

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50	gattcttgac	caagtaaata	ttgagaaact	catcattttc	aattccatca	atagatcttc	180
	aacagatcac	tgaattctgc	atccgctaga	cgtaggtgca	cgctgtacat	tcccgttaagc	240
	tgtagctca	atcagatcca	tatctcggcc	agcgactcga	cagtaagaac	tcctttggat	300
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	aacctgacag	ttttccagag	tgctcttgcc	gcccttgag	taaggaacaa	tgtgatcata	420
55	atcatgacac	aagcatccag	gacaaccaac	aagcttccta	aacacaatgt	tccttaaatg	480
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5	ctgcttcaca ctataaggaa agctcctagg ttctggattc gggtcaccgt aacccgaccc	600
	gggaaaaaga cccatctcct cccggtcgag taaagtggcc gaagttttca cttttccacc	660
	acgggcttca cccgtattcc ggttgggaga cccggaagat agttcgggtc gggcttttga	720
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<210> 785
 <211> 808
 <212> DNA
 <213> Arabidopsis thaliana

15

<220>
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 <222> (1)...(808)
 <223> n = A,T,C or G

20

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	tattnangga agaagagaaa tatgacgaag atacacacaa ttcggattaa tatttagctg	180
25	aactcaatca tttttttctg ctgattcaag ttcttataaa acttctttat aaaatcatca	240
	gctgctttgt caacgtgtcc attagccaca tcaccatttt ccggcgtaa cggaaacggg	300
	gagtcctgta ctcttaacgg tctaaccaat ggagtctgtc caaaacggg gaaataagga	360
	gacaaagcca ccgttaaatc tgccggcggtg acgtttcctt tgtctccaac gccgttaaga	420
	agctcaagaa cggctctagc ggccggtacg tgcgtcgtcaa gcgtctgagg cgtttgacca	480
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	gaatagtttg gagtgttgct gcagctaaac tgcgtactctt gtcgcgatga cgcgggtggc	600
	gaagtagcgt ttagagcggc tgaggcgggtg gaaccggcgt ggacacgacg acgttgggtg	660
	aacatgaggt tcttgccacg tttgagagtg gcgttgaaat cagcgatgag tttgtttttt	720
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	tttccgaccg acgaaaaaaa aagataacaa tttacacaac taattgaagt ttagattcaa	180
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	ccacatgaag tcctcactag ccacagcatg accagctcga gcaagttcct taaccgattg	480
50	agctaaccgg tccacgctat tgcctagcac ttcgatgcaa tctttgattg ctagatattc	540
	cctacgttta aatttttggtg tctctttggt tagtttggtg acgaagatag taacggattt	600
	ggctcgagcc aagctgatga tgagagcagt ctgggcgaga tcttggtcat tgttggtggc	660
	gatcttggtg gcgtaagcag agagtgtgtg cacgcatagt gatggatatt ggggtggttg	720
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55	gagaatgggt attgatagaa gtat	804

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 15 tcatcgtgga gacgagggtg cgaggaggca gcagctggaa gagcaggaat tctaacaggt 300
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 20 ctggttgctgc aatctaaagc ttgcaagttg gttataagtg tttgcttttg caagtgagac 600
 acataactct ccattgcacg gcaacaaccc gtttggttac tcaactcgtt gctacagtta 660
 ccaccaatat gcttcatgtg cggaaagaca agaggacaaa ctctattgat tttgcagttt 720
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25 <210> 802
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30 <220>
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 <223> n = A,T,C or G

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 40 ctttgtacga aaccctaatt gcctcttcgg tgctggattt ggatcaaagc ttgttagagt 240
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 ttgctgttggtg acaaaaaatg gacgtgggtg tttatacgtt acaacttgct tttttctata 480
 45 tggactttga tctggtatca aagagcattg acaaagcaaa aaaattgttt gaagaggggtg 540
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 gaaattttta gaaggctgcc agcttattcc tggattctat atcaaccttc acaacatatg 660
 aaatttttcc atatgannnc ttcatatnnn ncaccgtcct gacaagcatc ataactttgg 720
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 55 <213> Arabidopsis thaliana

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    catgttattt tgttcggtaa atagaaacag ttatgtactc ttttcatcta catacgtatt      180
    atacgtgtgt gagtgtgagt gtgtgggttt tactcggagc gaactctatc caacctatcc      240
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    nmntacttgt ctttgcagag ttcccatagt tgtttcccat gagannaatc cactacctca      660
    tccgaagttc catgaatgat gagaaccggg caatcgacat atgggatttt gtcgatattc      720
    ttgtagatgt cgaaccagta ggttttcttg acggaataca taactcttaa accggagaga      780
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    <213> Arabidopsis thaliana

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    tccaaacaaa caacaacaac aaatcgtttt tatgcctcgt acagatccaa gtatcccctc      180
40  attttttatg gtaaaaattt atctccacag gcaaataaat aaattttaatt gacccttata      240
    cggagagaag gggaaaaaat atattggatt ttaatagaaa gaaatcaaac atgtttttttg      300
    taccttatat atgcaaaatg cagaggatga gaggaatgaa tcacatcaact cgtcttcggt      360
    tgccgtgaaa atgaaagtga aaggagcgaa cttgtaacca tctccttcgt agaatttggt      420
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    gtgggcaaga ctgagagccc atagacgcag gtaagaagcg gtgttggaag cagctccaag      660
    cacaaactct atggtgtgaa tcagctgatg cacaaatatc tcgctgaatt caaactcctc      720
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55  <213> Arabidopsis thaliana

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 gccctcgtag ctctcaaatt ctactgatga ttctttttgt ttctttgcat tccttatgtg 660
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 aataagcttt tgtgtatact gttctctgtt nnnagtgaga tttattttgt gttgttgaag 780
 taatacatca tcatttttat gga 803

25 <210> 806
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 <212> DNA
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 attttgcgtc cattgtcgag aaccttagtt tcgcgtgccg tcgttaacta ctctgtctgcg 180
 35 ccgttcaatg cgacgattcc ggctgctaaa cccgagttat gttccttctt cgggtggatcg 240
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 gctgaaagac tgattgagct tcaacagctg gaagaagaga agaagaaatc aatgtcttct 660
 tgagatcaaa catagaaata atcctaaatg acaatctctt ttcttgtctt gagtttagaga 720
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 45 aagaactgag agttacttga aaa 803

<210> 807
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 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
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 55 <223> n = A,T,C or G

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   tggtcacgag ggagatgtta atacgggtcaa gttctttccg gatgggtata gatttgggac      180
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10 ctatcagcca catggtgatg gtgagaacgg acctgtcacc tccattgcat tctctgtgtc      300
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   cttgggagag gttgtattgg atttgggatt acagcaggat tcacacagga atagaataag      420
   ctgtttgggg ttgtcagcag atggaagtgc cttgtgtaca ggaagtggg attcaaattct      480
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15 gagtcacnnn tccagtttgt ggttaatatn nncngtagtc gggaagtaag gttcggtttg      600
   tggaagggtg ttggtttgaa atagtggagt ggtagaaga attaaacttc cttttttgta      660
   gtgtgctttg atttatttat ttcttcattg ggaactaaac tccttcaaca cgctactcaa      720
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   aaaatccata agaaaaagga aaccaaatac aaaaaacaaa aacgacgttt catcctcaaa      180
35 acttgtctct atggtttaat aaattaacaa taacagaaga catctagagc tcctcgtgag      240
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   cttggctcag acgaccttc tcgtttgtga ttgtaatctt ctctgattta cactcgcct      660
   tgtcctctgc tttcacatta agaatacgt tggcgctccac ttcaaagtgt acnnnnnttt      720
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55 cactgacaa aatcattgct gaatacatat gggttggtgg ttctggaatg gacatgagaa      180
   gcaaagccag gactctacct ggaccagtga ctgaccttc gcagctacca aagtggaact      240

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	aaaagtctct	caagcacgcc	ttttgctgag	acgccatgag	ttaggctcgt	ggtaacgggtc	660
	atacaacggc	tcaatccgtt	cttggcgctt	acgcttgctc	atttttggtg	ggtcagacac	720
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 40 <213> Arabidopsis thaliana

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15

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	taacataact tcacatatgg taacgaggca aatgcagatt ttatttctag catttttttgt	180
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35 <213> Arabidopsis thaliana

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	tacgttaagg gtcttcaaga gactgacggg ggcgattcta accgtctcaa agtcgcccgc	660
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 15 tcatcgaacg acgatcttta accgagtcca ccataagacc cttgtttgta accgtagcag 240
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 30 <213> Arabidopsis thaliana

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 50 <212> DNA
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20 <213> Arabidopsis thaliana

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	ctactaaatc ccccgccggt acttctccca ctacggctcc ggcgaaaact ccaactgctt	240
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	caccgacacc tgttccagag agctctcctc cgggttctgc accaatgggt tcttctccag	360
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	aaaagcatca agctgcacct gctccggctc cggaacttct cgggtccacct gcaccaccga	540
	ctgaatctcc cggacctaac tccgacgctt tttctcccg tcttccgcc gacgatcaga	600
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<211> 800

45 <212> DNA

<213> Arabidopsis thaliana

<400> 818

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<211> 799

<212> DNA

15 <213> Arabidopsis thaliana

<220>

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20 <223> n = A,T,C or G

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40 <212> DNA

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<211> 799

<212> DNA

15 <213> Arabidopsis thaliana

<220>

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20 <223> n = A,T,C or G

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40 <212> DNA

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<210> 823

<211> 798

<212> DNA

15 <213> Arabidopsis thaliana

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<222> (1)...(798)

20 <223> n = A,T,C or G

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40 <212> DNA

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10 <212> DNA

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30 <211> 797

<212> DNA

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50 <210> 827

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55 <220>

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 25 <211> 797
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45 <210> 829
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50 <220>
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 <223> n = A,T,C or G

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   acacttctat cgggtacaag gaatctgcat catcaccgtc gacacctcca gctacataaa      600
15  tctttccatc aataacacta gcagcagggt cgcacctttc catctgcagg cttggagcct      660
   cacgcaacgt gtgagaccgg cagtctagga tcacgactct agaggaaacgc acattctcct      720
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   caagaggggg attagg                                     796

20  <210> 830
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     <223> n = A,T,C or G

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     aaaggcacag tctagggatg actttctatg agcctactgt tatccgcgat gtttcggata      180
     acatgatcat gtctaaggag gagatttttg gacctgtagc tccccttatt cggttcaaaa      240
35  ccgaggagga gcgtatcaga attgctaatt acacaattgc aggacttgct gcttatatat      300
     tcacaaacag tgtccaaaga tcttggcgtg tatttgaagc acttgaatat ggacttgtag      360
     ggggtgaacga aggactcata tcaacagagg tggtccatt cgggggagtg aagcagtctg      420
     gtcttggaag ggaaggatcc aagtatggta tggacgaata ccttgagatc aaatacgtat      480
     gcttgggaga tatgaataga cactgatttg gtttggtgga aaagcttttag aaattgtaag      540
40  tttttctcct ccactcgtat ccttctaata aaagcttact gtggaacata ataaggattc      600
     ggaggatact tcttaagaaa taaagatnnn tctacgacca attgttagca tgatttttag      660
     ataataattht ggggtttcca ttttatttat ctttggttac gttatttttt tctttgtttt      720
     acgttaattht ttgtaattcg gacaattttt gctttggata taccacaaaa aataaaaaaa      780
     ataaacgttg ttgttc                                     796

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     <212> DNA
     <213> Arabidopsis thaliana

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     atgatggaag ataactagag tagacaaagg gggtagtata ttacacagac aaaaggatca      180
55  aagagggtgaa acaaagtctt tgtgtgccgt gtaatctatt tgccgaagag agatttgaac      240
     caccaaacgc ccttggaagtc ttcaggggca gtgttggaag caggtggtgt gtcactctga      300

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5	ggagtcttgt	gaagcttgct	gatgtcataa	ccttcctcca	ctgccttctc	caccagctgc	360
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	ggctggccaa	tgagagcgtg	ctggtagtca	ggatcgatgt	agagcaccca	gtagtctccg	480
	gtgacgggaa	tgattgggag	gaaaggaggg	acatagaact	tgactttgag	cttggettccg	540
	tcgcttttag	gatcggcctt	atagggcgtg	ccttcgataa	aacccctctt	cccgttgctc	600
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	tcgacgccgt	tctttggctg	aaaccttgat	gggaaagaag	caatctcgta	ccaacggccc	720
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	ctacaaatcc	ataagnanga	tgtaaaacaa	aaagctacga	taatatact	gcttcaccat	180
	atannntcta	atatagaact	ttcaatagcg	aacttcattc	ctcgactgcg	atcttgccct	240
30	tctcgctcac	atagatacca	tcaagaaact	tcctgatata	cttcttcttc	acatgacatt	300
	tctgattgat	caaagcacaa	gaccgtgaaa	caagctcaat	atcatttccc	tcaagaataa	360
	tctcatcctt	aaccttctca	gatcgaacaa	tcttaacacc	atccaacatc	tcaaccttcc	420
	tcaccttctt	ctcaccaagg	aagttacgaa	tctcaatact	cttattgtta	ccatcaatag	480
	aagcattgat	aggaaaatga	gcatacacaa	atctcattct	ataaagaaaa	ccttgagtaa	540
35	caccagcaat	gagattatca	acatggctta	aagcagttct	aatcgaagca	cttgtcttac	600
	gagaacccaa	ccaagaatca	atcttaagct	gacgttttcc	agtgacttgg	tctttaatca	660
	actggaaatc	gagattcaga	tgcttgaaat	cacgagtgcg	tttacctcgt	ggaccttcga	720
	cctcaatcac	cttggcgttt	accttaatgg	cgacgccgtc	ggggatgtcc	atagtctccg	780
	aggacaaaat	ggtctt					796

40 <210> 833
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 <212> DNA
 <213> Arabidopsis thaliana

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	ttcatcatcc	tcgtcggtga	catggcggtt	actgaattca	ttggggatga	aaactccagg	180
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	atcactgtcg	tcttcatcat	cactttcttc	cacttcgatc	atctttccct	ttcccttctc	360
	ctctcgcgaa	atccctttac	ctttcctatc	aacaacttct	tcttcttctt	cttcttcttc	420
	ttctcgctcg	tcttctctct	catcttcttc	atctcttgc	tcctcttcag	ctccaacatc	480
	gcgattacg	ccattctcaa	cctcttcagc	tgctttctcc	gataaaaccg	atgattctgc	540
55	tccaatcggt	tcctcggtgg	aagaattcag	attctcgatt	tggccacttc	cattagtttc	600

5	tccgtctttg gactcagaat cagcagaatt caatgaagga ttaagcttct gagccttggt	660
	tgtcacatta tcctgggtctt gacaaaacag atccgatttt cgcttcacag gaaacgaaga	720
	atcctgttga ttctcaacat ccgccataga tgaatcaatc ttcttacttc agagactcgc	780
	gattttgggtt tgagg	795

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	cacaaagggga gaaatagatt tcacagttga gttataagca gagataattc atgatcatat	180
	acaataaaac aagtcccta ccaaagctgg ttcaaggatc tggtttgcca gcaattgcaa	240
20	catcatcatc atcatcatcc tcattatctg agccgtattc ctcttcaatt agttcttcat	300
	cgctagactt atcttctgaa ctttcccctg gctttgcata ctcttcacag tattctttta	360
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	gatctgatgg gtttggtatc agaagaagct gaggaagaaa tgtctcaaac acattcacaa	480
	ggtcgaacat aggactccaa gtttggttaa tcacatctaa acaaacagaa cccgacagtt	540
25	catcaacatt aggatgataa attttagtaa tgaaaccaac agatggagat ttataaggat	600
	aagcatctgg aagctcaact cttatcttcc acacacctcc ttgatagaga ctgtctttgg	660
	gaccattgaa ttcaacatag aattotttgc tgccatcggt gatcgtttcc actttataat	720
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	tggtgttgct ccgcgtggtt gagatgaaga gcaccttcat gggtcttggt aacttcacc	180
40	ttgaactttt cctctttttc tcccctcttc aacttcagta gcatgttgta ttttgagcc	240
	tcgccgggta cctcagcttt agcatgcaca acctccagaa gttcataagg gaacaaggag	300
	ttagacctct gctgaatggt cttgacagcc tgctcagcaa catgcttcac ttctggatca	360
	tctccgggaa cttccctcca tccagattca tgttcacctt gcttgcagcc aagatcggag	420
	gaagtgatag caggggcatc actggcaggc ttgaactcct gtaactcttt aaagtccaac	480
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	agagtcaggt gatgcagtgt tccggctaca acttggttct tcgcttcac aactctcgca	600
	aactcaagaa gtgcattctc tttcttggtg tgttcatcga cagcgaaacg agcgaggctc	660
	tcaacctcac cactgttctg attagcagg acatcgccaa cactccgac taaagccatc	720
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   <223> n = A,T,C or G

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    tcagcgtaga atctatttga tttcgatccc aagttttttc cttagctcag gaacgaactt      180
    aatgatcttc tccgaatcag gaagagactt agccacactc tctctctcca cacacctttt      240
15  accccaagnn atcagttttg gacactcggc ttcaatgctg aaactcccaa acttctcata      300
    cgcttcaaac caactgtaaa atccaatgag agctatatca acataaccga atgtttcacc      360
    tccaaagtaa gtcttgcttc caagctcaga ctctagtgtc ttgagtatct cgatgaactc      420
    cttcttcccc gcctcatgct cttcgctttt agctccccaa atcaacctcg ctgaagcata      480
    caccttctta tcaatgaaat ctccccaaaa tttggcctga gctcttttgt aaggatcaga      540
20  aggaagaagt ggggttttgc taggccaaac ttcgtcgaag tattcgatct ggatgagtga      600
    ttcacatacc ggannaccat tgtngatgan nnnnngtatt ttcttatgaa ccggattcat      660
    ctcgaggaga atcggtcttt tgttccacag atcttgttct ctgtaatcga atttgacatt      720
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    gctaattgat cagtgaagaagg aggggtgtc tctcaggaag cattgatgca catgcatggc      180
40  ttgaaagcta aagtcactaa acaagttaga gagctctctg tagaggcagg tggtaaagggt      240
    tctgctaaga aagatctcaa caccacaacga aatttggtca aagatcttgt tgaatttctt      300
    gaggatggat atgctcctga aacctcaaca aaagtcggag gggactatct acagacgtca      360
    acgtgggtatc agatgataca gttgaattat ttgaagcatt tcctagggggg tggctttatt      420
    aagcatatgc aggagaatga attccttcat gatgtattta gtttcaactca gctcttaaca      480
45  aagcaagaac gcagttcctg gccaaagcaa ggatgttagc taagaatatg aacgttgggc      540
    attacgcagc tacagcaatg gaggaagaat gatggctcta caattgattt ttgaagaatg      600
    atggcacact catctgctgc ttttggaaaa tgttgtgtgt ccattagtac actttttctt      660
    gtttcatgtt tttgatttga taattgggtc caatattata accannnctt agaaatgtct      720
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    tcaatgtcac catcccagtg gatggttatg atcctgttca gtttttcctt acaaaactct      180
    gcgaatacaa tcaaggtaac gaaggaggat cagcgaaaagg atgggctata tttggagttt      240
15  tttcctgcgt attcctnnnn gcattctgcac ttttctgctg tgggggcttt atttataaaa      300
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    tactagaaac tgtgagtggg agtggacaaa gctactcaag aactgaagac atcaacaatg      420
    cttttgccaa tgaagtctca tgggaccgct cttccgcac tttactcaa gcgacaacaa      480
    cacagagacc aagtgaaga acatatggtg cgatctaatt ttgtcaagtg cctcacaaga      540
20  ggtactgttt caagccatgg tatggcacgc ttgtgatctg cgatttctgg attttgcttt      600
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    tgttgttttc accagattca tgtgctatga tagaaaaaga caaagcaaac aagagtcttt      720
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    tgctatcctt gatgagatgc gaggaagtct cgaaataaga ctagcagcag cactggagtt      180
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    agaggaaaat tccaagcttc gagattttct tatggatcgt ggtcagattg ttgatacctt      360
    acaaggagaa atttctgtga tctgtcaaga tgtgaagctg ttgaaagaaa aatttgaaaa      420
    ccgagtgcct ttaaccaa atcgtctctc aagcttcaact agttcatgcg gatcatctat      480
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    caacaacaag ttcccagaag cagcagcttt cttcatgaac aaagagaaag atgattgtag      600
    agatcttctt gaagatggat gggacatctt tgacaaggag accgaacaag ttgtttggta      660
    ctgaagaatg aagttattgt acatataggg tacttaaatg ctaaaaataa atggattggg      720
    ttctactctt tttagaccaa aacttgattt gggatttata tgtggttcta gctttattta      780
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    ccaagaggaa atgctctatg tatgttggtg tctatgtgtc tcatacttga tggatcttcc      240
15  acatgccagt tctgtatccc acagacatta aagcaagctc ccaaagcatg tttggaatgc      300
    tcaacatact gacttttagac ccggaattt cggaccattt cacagagatt tcaaccattg      360
    gtatatataa acgcttgac aagtacacca attcaacatc aaagcaccac cttttcagat      420
    ggacgtttgt gaaaagtctc ctagcagcag cnctagtaaa catcttgaag ccacactgtg      480
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    ttgaatattc ttctctggct actgcattga tctgattttc aagtttttct aggtccgtta      720
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30  <220>
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    aacacaccat tacaagcaaa gttgtgacaa aagacgaagt cgttnttgaa ccatctaaca      180
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    caaacaagac gtctacagag cgtgatacca tctccaatgg aaatctgaga gacctcgact      300
    cggggatcca aagccaattt tttattgaat tctataagag ctgctctata ttctctcata      360
    tgctccggaa ctccatcttc atcctccgcc acaaaaacca accacaaggt gttgtcgaaac      420
    gcaatgattc cccaacctt caccaatttt agaagcctct catggaagtt gacgtagctt      480
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    ataaactcta gtccaacttc gtaagcttct ttatcaatgt ctatcgcggt aatacggcca      660
    tcttcaggta aagcaagagc tgtagtgaga agcgagtaac cggtgaaaac accgatctcg      720
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20 tgactgcttg gcgtgctttg aagagtaatg cannnataac tgacgctgag aatggagaag      600
   caggggaagc gcgtaagcgt aagcatgatg atagcagtga tagccctgct cctgtaacaa      660
   ccaagaaatc taaaaccaa gaagttgaag gagaagaggc tgaagagann nngaagtctt      720
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   ttgccttaac cgcggttctg gcctcaaacg catatggtgc ggttgtagac atcgatggaa      180
35 acaccatggt ccacgaaagt tactacgttc tccctgtcat ccgtggccga ggcggaggcc      240
   tgactctagc aggcgcggtt gggcagccat gtccttacga tatcgtgcag gaatcttcag      300
   aagttgatga gggcattccc gtaaaattct caaactggag gcttaagggt gcgttcgttc      360
   ccgaatcaca gaacctcaac atcgaaacag acgtcggagc cacgatctgc atccagtcaa      420
   cctactggcg ggtcgggtgag tttgaccacg agaggaagca gtacttcgtg gttgctggtc      480
40 caaagccaga aggttcgga caagattcgt tgaagagttt cttcaagatc gagaaatctg      540
   gagaggatgc ttacaagttt gtgttctgtc ctcggaactt cgactctggc aatccaaaat      600
   gcagcgatgt cgggatattc atagatgaac ttggcgttcg tcgtttggct ttaagcgata      660
   agccgttctt ggttatgttc aaaaaagcta atgtgaccga agtttcgtcc aagactatgt      720
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50 <213> Arabidopsis thaliana

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55 gaagctgcta aacatttcac tattatcaaa gaccacttaa gtaatgagat cttcttatga      180
   tggtagaaac ctcaaggaac actatatcct atgtaaaagg gggaaaaaac ttcaatcata      240

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 ctggaccacg ggcataatc ctgcttggtc ttattcccac ctgagacca agtccgaacc 480
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 gggaagtaag gtttcttaat ttaatagaaa gcttttcaaa aattgtttta taatattctt 720
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 aatctgcacg agaaccactt tcccacgaag ctcttcggtc tgttcaagaa gctgacccat 360
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 aatgttcccc ttgaaccttt ctctcaatct cttcactttc tctgcagttt tctccgaagc 480
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 gcaattcaga aaccctttga gaatctcgct tctcacagga agagtacggt aaatctccga 720
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 50 ctgcatgcaa gctccagctg tggactcttg acagacacaa agatggattt gcttgctgct 480
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 tccgcaaccg gataagacat gaactttttt ccttgcctc tcttgtaaaa gaggttttac 720
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50

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 caaacggatc tacattaata tctatgatcc tctttttgac atcatccaga atcctgcaaa 540
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 cagttatcat cctacagaga aaacttacia agtattagtc tcaactgttg ttaacaaatt 720
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      gtggcttatc aatctttatg tgaagagctn nntgtgaact aagagttaga taggtcttga      720
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50     <212> DNA
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5	ctcttttcgaa	tatgcccttc	tagctggagt	caatgatcaa	gttgagcatg	cggtggaact	240
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	acgactttga	cgataggtgt	gatgatattt	acttttggtt	ataattatga	caaggggaact	720
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<212> DNA

20 <213> Arabidopsis thaliana

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	ttccatcatc	ataaaatgtg agaatttaac aaaactttat gaatctcaaa tttttctctt 720	
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<212> DNA

15 <213> Arabidopsis thaliana

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35 <213> Arabidopsis thaliana

<400> 857

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5 <213> Arabidopsis thaliana

<220>

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	ttcttctnnn	nnnnnnttgg	aaaataagtt	ttacttcttc	ggaacaccaa	gccttagacg	300
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20	taccatcttt	atctccacgt	ccggtttaat	aagctcttta	accgtctcag	cgagctcaac	480
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	accatcatca	atgttcatac	gaggaccata	tgtgttgaa	atcctcgcta	tgcgatatctc	720
25	aatcccatgt	tgctatgggt	aatcaaacat	aagagtctcg	gcaacacggt	ttcccgacg	780
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<210> 859

<211> 785

30 <212> DNA

<213> Arabidopsis thaliana

<400> 859

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	gaaactgaag	agttaactta	aaagataaga	gcccagacgg	ggaagacgac	gagacagatg	180
	atcccgacgg	tggtggagat	accattggct	ttagtaaatg	catttctgaa	tccacctgaa	240
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	caactgtctc	tgaatgtgcc	agcaatcaaa	tttggtgcca	ccacggcgag	aagaacaaaa	360
40	gccaccggta	attccaggtta	ttctctggcg	tgtttaggaa	agaagagttg	tacaacaaca	420
	gctacgaaag	caatccattt	accaatttct	cctctgaaaa	taccaaagat	caaggaagga	480
	agactgaaga	agatgtaagg	aatgagaagt	gatgtgagca	tattcgtctt	ccaattgggt	540
	cgatccaaca	ccaacaagta	tatggcggcg	attgaagcaa	cccattcgag	gacagaggta	600
	ccaaagccta	aaccagttag	tgtgaaggcg	tgtgtagcta	ggttcttagc	agcgatagtg	660
45	agctcggttg	aatcggatcc	gatcatggcc	ttaagggttc	catggtcatt	cctcaacgac	720
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<210> 860

50 <211> 785

<212> DNA

<213> Arabidopsis thaliana

<400> 860

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	agtttgctca	gactctaata	gagagaggat	atgaacttgt	ttctggtgga	actgacaacc	300
	atctggttct	agtgaatcta	aagcccaagg	gaattgatgg	atctagagtt	gagaaagtgt	360
	tggaagctgt	tcacattgca	tccaacaaaa	acactgttcc	tggagatggt	tctgccatgg	420
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	caattggggt	tgagaaagaa	accatgaagt	acaagaacta	aactgtttca	ccccacaagt	720
15	gttttctggt	atgctttgaa	ttcccatgga	atgtatagat	gatacatgta	aaactctatt	780
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<210> 861

<211> 785

20 <212> DNA

<213> Arabidopsis thaliana

<400> 861

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	tactgctgga	cgatactctg	tgaagaggtt	cagaaaggcg	cagtgcccaa	ttgttgagag	240
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	cttcttgctt	acaactggtg	cagtggaagc	tgcctttaga	aacatcaaga	caatcgctga	540
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	gaagaaagat	gagattgaga	gagttgctaa	ggccaatcgt	taagggatct	ccctttcctc	660
35	taagtttgca	ttatatcaaa	gagtttttgt	gttggtttcca	ttagctttgg	atatgtttca	720
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<210> 862

40 <211> 785

<212> DNA

<213> Arabidopsis thaliana

<400> 862

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	gtccggaaat	taaaacccaa	gaaagaagaa	aaaagcagaa	aaacaaggga	taaaatcaaa	180
	gatgggggat	aaagttttga	ggtttacaca	aaagcaaagg	gaaattaacc	ggtgaagctt	240
	ggtggcttgt	aggcaatgaa	actgatgcac	tggacttgac	gggtgttgtc	gaatccgatg	300
50	atcctaata	aggcattggg	gtactccttc	ttgcactctt	ccacttcctt	caacacttga	360
	gcggagtcgg	tgcaaccgaa	caagggaagc	ttccacattg	tccagtaccg	tccatcatag	420
	tatccgggtg	agttaccgtg	ctcacgggtac	acaaatccgt	gctccaactc	gaattcaaca	480
	caagggaatcc	acttggttgcg	gataaggtag	tcaacttcct	tagccaattc	ggaatcggtg	540
	aggtcaggaa	ggtaagagag	agtctcaaac	ttctttcttc	caatcgagg	ccacacctgc	600
55	atgcagttaa	ctcttccgcc	gttgcttgtg	atggaagtaa	tgtcgttgtt	agccttgccg	660
	gtggctggga	aggcagcgga	ggacttaagt	ccgttgaaag	gagcgaccat	agtggcctga	720

5 gccggagagg caaccatagt agcggagag agcatagagg aagccattgt tcttcggacg 780
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<210> 863

<211> 784

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(784)

<223> n = A,T,C or G

<400> 863

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25 tgacgggaat cttggcttct ggtttgtttg ggttgacggg tctgagctcg gtctcgtggg 420
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30 aaatgtagtt ttacttttat gttccagttt ctttctctt ttaagaatat ctttgtctat 720
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aata 784

<210> 864

35 <211> 784

<212> DNA

<213> Arabidopsis thaliana

<400> 864

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aaaa 784

55 <210> 865

<211> 784

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5  <212> DNA
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   <220>
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10  <222> (1)...(784)
   <223> n = A,T,C or G

   <400> 865
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   catccataag aaacctaaat gagcaaatca gtcacttggt aaaatatgca aaacaacaaa      180
   agatgactta gacttgaaga cttagtagta gtactgtaca ttcacacgta ccttcccttc      240
   cctgtctgtc tctgttcggg aatcagtgat gtcccacgtc atcaatcatt cagacaacga      300
   ttgtgccacg tcattcaact acagtcacct cctgatcaac cttccagtag ttagtgctcg      360
20  tgtactcctg catactatca tcagggctct cctttcccgg tgaggctgtg gtggtgttcc      420
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   cagttccttc tggtcaact cccacaaact caacatcttt tccaaacaat gaaggtagag      540
   gtggtgatct cgggctaata tcaccttctg aggatgaaga accgtttggg attctcacat      600
   caggcatctt cacatcatct gtacttcccg gtgcaatggc tgaagatgaa tcattacgtt      660
25  caaccatttc aggtgacaat tcatctgtac ccacatcttc atcaatctcg atatcagcgt      720
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   gctt                                     784

   <210> 866
30  <211> 783
   <212> DNA
   <213> Arabidopsis thaliana

   <400> 866
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   aaggccacaa ggaaatcgcc ttgataagca agagtttact gaacttgtga agaggggttc      180
   gacagcagag gacttaggtg cagggaatgc tgatgctgtg tgggttcacg gtcttggata      240
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40  tgcagattca gcacgcttac cagcagatac atcaggggtc aaaactgttg aagatggacc      360
   ggatgatgtt gagagggacc aaaagaagga taggcgtgag gaaaggaaac ctgcaaagag      420
   agagaaggaa gaaagacatg ataggcgtga aaaacgcgaa aggcattgaga agcgaagcgc      480
   tcgtgattca gatgatagaa agaagcacia gaaagagaag aaggagaaaa aaagaaggca      540
   tgactctgat tctgattgaa gcgaattgtc ccaggatgga acattttgct cttcagagga      600
45  agagtggctg gctaggtacc aaaatccagc taccacttct gcaagattta aatctgttgc      660
   ttatttcatt tacgaatcgt ggagtaaagt gttgttgaac attgttgaaa atgtttgtta      720
   aaacacatga aaaatgtggt ttgatattat aacaaaccga gacgctcgtt ttagctaaaa      780
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50  <210> 867
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   <213> Arabidopsis thaliana

55  <220>
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 <223> n = A,T,C or G

<400> 867

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	gagctacgac	tgcgacgtgt	gagttccgga	ttcctgtaga	agtttccact	ccatcagata	180
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	ttcacgaatt	cgagggttcca	gaggatcagt	atatattgca	ttcagctgaa	tctcagaaca	300
	ttagtcttcc	gtttgcttgc	aggcatgggt	gttgtagtag	ttgtgctgta	cgtgtaaaat	360
15	ctggagagct	gaggcagcct	caagcattgg	gaatatcagc	agaactgaag	tcccaggggt	420
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	aaagtggcag	actttctgta	ttagaggtga	ctagttaggt	caactttctt	agtcctgaat	660
20	atcgtgggtg	atcctcgtaa	atctcttact	gaactcaacg	atattccgat	taaacttctc	720
	aacaattcaa	catttcatga	aaaactttac	aatcatttaa	caataaactc	caaatccgaa	780
	aaa						783

<210> 868

25 <211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 868

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	aaagtcat	caaacatgaa	accaagccct	cactgtttta	aacaagcacc	acaaggctaa	180
	agtgtgtcaa	aagaacagca	aacagaagcc	tgcaatgggt	tttagattga	tcagaccgga	240
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35	ttgaccgga	tcacgaaaga	gcatgtggga	aggettata	tatctgcaga	gacagcacia	360
	ggtatcccca	agttggagag	gacacctcta	atgattccac	acgggaaata	gaggtacatg	420
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	gatgaagggt	caattgagac	acgagacaac	caccggaact	tggtgtcttg	taatacaaaa	540
	gtaccccggt	gatttgtctt	taaattatca	atctgcttct	tgaagacctc	agaccagaag	600
40	tctttgcaga	taaacttgat	tgcctctaga	tggtcactga	accttggtct	ttccatagtg	660
	tacctctcgg	agagctgggt	gccgacctga	taaccaatgg	cctcgatcct	cggagcggcg	720
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45 <210> 869

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<212> DNA

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50 <220>

<221> misc_feature

<222> (1)...(783)

<223> n = A,T,C or G

55 <400> 869

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   taacatggat ggtgctggct ctggagggttc aagtactcct ctcactgccg tatatgggttc      180
   aacaaaatgt ggacttaggc agtttcatgg gtctatagtg aaagaaagcc aaaaaacaaa      240
   cgttggcctt cacactgcat cccctggcat ggttctgaca gaacttcttc tcagtgggttc      300
10 gagcattaaa aacaagcaga tgtttaacat aatctgtgag cttcctgaga cagtagctag      360
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15 tgttttctct nnntctgttg tttgcgcttt catcancnna caaagcacia cacctagctc      660
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20 <210> 870
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   tccagcaacc atcacttcat caccatctcc cgatttcaca ccgtttctca aaacgcataa      180
   ccttgatctc ccgattgatg atccggagag ttacaatttc tcgccggata tgttgaacga      240
35 cgtcggttga gctgggtttg ttctgttttt cccgaattac tctagctttt tgtccaagcc      300
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   catgttgttg actgctgtgg ccaaacaagc ggtgaagatg ggttatggaa gagtggaaatg      420
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   cttttaaagt ttgtgtttnn tttccttctt cttgttggtt ctttatgcaa gtgttggcat      660
   tgatgatgat gatgatgat aattctctat gcttacttgt tggatactga atgagaaaaa      720
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   <213> Arabidopsis thaliana

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   ttaaccctac tcagattgat cctaaagtgt ttctcgatcg gaatcttgat agagcgaatt      180
55 tcggaaagag gaaatcggat tacgttgcca gtgagattcc tagagatggg attgagtctt      240
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5	aaatggcgga	ggttacggtt	aacgcgacgc	cgtttccgca	ccgaagcaag	ctttttaaga	360
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10	aaacagcggc	tgatccagat	aatttcttca	ggaatgaaca	gagtatacct	accgtgctta	660
	gcaaggcata	ggcatggagt	ttggacatag	accaataatg	tttaacgaag	gagaatattt	720
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 <212> DNA
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	ttgatactta	cacacttata	cagatacatc	gagatcgagg	tagaatctgg	acttccagtg	180
	gcgctgaacg	ggaaggctct	gagtcacgac	acacttctgg	ccgagctaaa	cacaatagga	240
25	ggaaagcacg	ggattgggag	gattgacatg	gttgagaacc	gtctgggttg	gatgaaatca	300
	cgagggtgtg	atgaaactcc	tggaggcact	atcctctttg	cagctgtaca	ggaactagaa	360
	tccctcactc	tagacagaga	gagtattcag	gtaaaagaca	cattagcact	gaaatatgca	420
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	catctaaatt	ataactgcga	aaactgtcat	gactcaataa	ggaaccagag	aggccaaatt	720
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	cttataagca	tggcttcagg
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	120	
	tcatgcttct	gatgetgaat
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	cgttaatcgc	cggcgctcgtc
	ggaatggcca	catcactcac
	cggaatcatc	aacgttcttc
	360	
	aatgggactc	tccgaatctc
	cactccgccc	cggcttcctc
	tctaactctcc	tggctctctca
	420	
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	480	
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	actataattg	tgagtgtctac
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	aaggcctcat	cttggggagag
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	ttaaaagcgg	ttttacattt
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	tgtgttgtgt	cttgtgtgtg
	tttattcttt	tgttttggtt
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	gaagcttggg	ggcttgtagg
	caatgaaact	gatgcattgg
	300	
	acttgacggg	tggtgtcgaa
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	cacttgagcg	gagtcgggtg
	atccgaacaa	tggaaagcttc
	420	
	cacattgtcc	agtatcgccc
	atcatagtat	cggggagtgt
	ttccgtgctc	acgggtacaca
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	ttcaacacaa	ggaatccact
	tgttgccggag	aaggtagtca
	480	
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	gtcactaagg	tcaggagagt
	aagatagagt	ctcaaacttc
	540	
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	caccttcattg	cagctaactc
	ttcctccgtt	gcttgtgatg
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	ccacagcggg	ggaggagagc
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gaagttgtca aggaaagact cangattttac annnaaatga ctcaaccagt ggaggaattc      720
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tcaaactatg tatatatata cttttctttc ttcaacccca agcattatca aacgcagctg      180
55 aagtaatcgc ttgaacaaac tcttggaat caatacaacc atcgccgtct cgatcagctt      240
ctttgatcat tcccgttaac tcctccgccg tcaacgcgtg acctagcttc gccatcgaat      300
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   gaggcaattg attgtgtgtg aggctgctgc tcctaccaag aaagctgatt cagctgcaaa      300
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   agcaccatca gnnnntnnnc ccatggctgc ataagaacat ggggataacg gaaatttgtt      660
   tttgttacta gatctttcaa aatcaaaatc tgtttcttta taatgtacat ttagtcgctt      720
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<211> 776

<212> DNA

50 <213> Arabidopsis thaliana

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   acagagattc atctattgat ctttttgact ttttcaggaa ccagagatga aaaattatag      180
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30 ctgaagaagc ctttgattac agaggaaacc caccagataa gtctaaaacc ggtggatggg 300
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35 gagtgttgct tttgacgggt gctacaacta tctcaagcat gagaccacca atatgtgacg 600
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 10 ggatagttgt aacaagaagg acttgaaact ccagcttcca tctcagataa agaaacaaaa 720
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 35 agttacattc ttatttcttc atcatctata tgcacttagt cacagaatac cancaatgan 720
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40 <212> DNA

<213> Arabidopsis thaliana

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 55 ttctctgtaa atttatcaat tccttcgatc tttcttcttc ttgcctcggc ggagattttg 720
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 <212> DNA
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 cttgagggtta gtctgatcag tggcaaagggt ctcaagcgct ctgattttct tggtaagata 180
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 aataattata ttaaataaaa tacctcagct gcctgctccg ttggtcacgg taacgccgcc 360
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	catgtgtata	catgtattta	tgtatctata	tacagagaga	gatccacttc	accaatcttt	300
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	cggtgacgaa	gctgatgaac	tcggagacac	actcctgcat	cgtctctttg	gcatctttag	720
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5	caacagaaga	gcttgaagca	acgaaataca	cacaagagct	tcaagacccc	aataaaaacaa	180
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	ccagtggcta	aagacggggc	gaatccgtac	attctctggg	tgggtggagag	agcnnagaga	720
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	tgtgtgttaa	aaaaaaaaaac	aaaggatcca	aactttgaga	atctaaaaaa	catttttcat	420
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50 <400> 902
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 55 tatttcgaca aaattaaaag agaaactctc tatggaagag aggtcatga gataccaatg 300
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	aaatgatgct	tcgttggtat	tgacaagcat	tgaagagatc	tcgggtgttt	tagggccgtg	660
10	atcactccac	ccgaactcag	aacagtcgaa	ggagttactg	ccctgatcgg	aactgaaata	720
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15 <212> DNA

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<223> n = A,T,C or G

<400> 903

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	taatacaata	ctgacgcagt	ctggaaaaat	taaaagcagc	taaacttttt	tccggagatt	180
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	aactccatca	gtgtaaccac	tgaacaatgt	gcttccatct	gactccagt	tcaagcttgt	300
	gcagtagata	accttcttct	ggttaccagt	tccaacacca	ccttcattct	tctctgcctc	360
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	aataatcgaa	ccgcctcaa	gcgagtaaag	cttctttcct	tcagccaaat	cccacaacaa	540
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	gttgaggtaa	ccagagtgc	caacaagaga	gttcctcagc	ttacagttct	ggagattcca	660
35	aactttcaca	gttttatccc	aagaagcaga	tacaatagtt	ggtacaagag	tattaggact	720
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<211> 773

40 <212> DNA

<213> Arabidopsis thaliana

<400> 904

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	tttccttaga	cgagtgtccc	acctttgacg	aactcagtga	acgccaacgc	gaccaaaccg	180
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	gactcaacgc	ttatgccctt	gaaaagcggc	acaagcgacg	caagtgtcaa	gatcgctgtt	300
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10
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 <212> DNA
 <213> Arabidopsis thaliana

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45
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 <211> 773
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 <213> Arabidopsis thaliana

50
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<210> 908

15 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

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<400> 908

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40 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

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<211> 772

<212> DNA

15 <213> Arabidopsis thaliana

<400> 910

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tgtttggtgt gtgcttgatt cagccaaacg gtaaacgcga ccgttcttct gatttgaatg 720
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<211> 772

<212> DNA

35 <213> Arabidopsis thaliana

<400> 911

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<211> 772

<212> DNA

55 <213> Arabidopsis thaliana

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45 <220>
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<223> n = A,T,C or G

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 10 ttttgtatat tatcttgttt ttttaattat gcgtaatcaa tttttattgg tgtgagtttg 720
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<210> 915

<211> 771

15 <212> DNA

<213> Arabidopsis thaliana

<400> 915

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 agagtaggga aagtcttatt tgacacagga agttcctata catacttccc taaccaggct 180
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<210> 916

<211> 771

35 <212> DNA

<213> Arabidopsis thaliana

<400> 916

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<210> 917

<211> 771

55 <212> DNA

<213> Arabidopsis thaliana

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 gaatgtttta gaaaagaaat taagcttcgg tgaagcttg gggcttgtag gcaatgaaac 180
 30 tgatgcattg gacttgacgg gtgttgtcga atccgatgat cctaatagaag gcgcccgggt 240
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 gaaggtagtc aacttcctta gccaatcga cgtcactaag gtcagggagg taagatagag 480
 35 tctcaaactt cttctttcca attggtggcc acaccttcat gcagctaaact cttcccccg 540
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 acttcaagcc ggtgaatgga gcgaccatgg tggcctgagc cggggatgta accacagcgg 660
 cggaggagag catagaggaa gccattacta cttcttggtg tttctcttct tctttaccaa 720
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 gggttgatgata ggattcatca taggtatgat attggattta tcacagcaag tgacctcccc 180
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 ggtaattca ggcaaggcaa tgttggtgtg taatgattat tcaaggatca tgttagattt 720
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 35 aagagcaagt gaaaagacgt gaaatagaac gaccatattt ctatacctga taccaaaatg 660
 tggaatatcg aataagacta gtgtttagg cttgtgtagc atgtcccgtt gtttctcttt 720
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 55 tgatcagcct tatatatattg gtgcaggact tggattcca gagactgctg atcccaacat 360
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tgaagctgat gtgattgctt ggactagttc aaacgggggt ccgtttcaca aggattacgt 660
ggtgaatcct ccagagggaa atggacagca agatttgttg cttgctcttc atcctaaccc 720
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<211> 768

<212> DNA

15 <213> Arabidopsis thaliana

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20 <223> n = A,T,C or G

<400> 922

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25 actaccatag gggggctnnn gacttttagc aattttaga agacaaaaaa cgggagagag 180
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gtttgcgggc ttaacttcaa aactttggga tcttgaagtc tgaagcagtt ctctctctg 660
taccaaggaa gaggtgttat cattagttga gaagaagtga gaaggtttag ggtttttgct 720
35 tggagattgg aagcaaaaag taggaggaga agagaagaag catagtga 768

<210> 923

<211> 768

<212> DNA

40 <213> Arabidopsis thaliana

<400> 923

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45 atgattgcaa gctgaaatth atggaactga aggcgaaaag aacattccgt accatagtct 180
acaagattga ggataagcaa gtgattgtag agaaactcgg tgaacctgaa caatcatatg 240
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55 gttatctatc tgataattta ttctgtatatg tttggagtcc taaaaaaa 768

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 <213> Arabidopsis thaliana

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 cttttacaga tactaatcaa tatectatga cggttaagac tccaggagtg ttgatttttc 180
 gtgtcaagtc tgcattgttg tgctttgcca atgccagttc aattgaggaa aggattatgg 240
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 tctttgtagt ccttgatatg tcaaatttga tcaacgtcga tacatcgggg attactgctt 360
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 25 tnnncaaagg accagttgtg ttacgggtta ttgcatgtga tgaatttatg tgagttgttg 600
 tgatttnaat aatgtgatgc atgcatgatc atgtataata tttaagtacg tatgtgtaat 660
 agagtgtctg gtcgtgactg aataaagtca tgcaactat aatgnnncga tcgatatggg 720
 tgtgtttgta actcgataga tttggaaaca atgtataata tatgtaag 768

30 <210> 925
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 <212> DNA
 <213> Arabidopsis thaliana

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 acagaaactg gactcgaaga tacttcagga tgagattgtg aagaaagtca acgaaaaccc 240
 40 aaacgctgga tggaaagctg ctataaatga tcgattttca aacgccactg ttgcagagtt 300
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 atactttgat aataccgat gctctcacc gggttgcgaa ccggcatatc ctacaccgaa 720
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50 <210> 926
 <211> 768
 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 926

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	ctatggctaa	cactgcctgc	tttatcattg	tggggccggaa	tgatattccc	atctatgaag	180
	ctgaagtgg	atctgctgct	aaaagagaag	atgctgcaca	gttgcaccaa	tttatattac	240
	atgcagcgtt	agatgttgtc	caagacctag	catggactac	aagtgccatg	ttcttgaagt	300
10	cagtggacag	gtttaacgat	ctggttgtgt	cagtatatgt	taccgcaggc	catacccgac	360
	tgatgctcct	tcatgattca	cggaatgagg	acggcatcaa	gagcttcttt	caagaggtgc	420
	atgagcttta	tataaagatt	cttctgaatc	ccttgtatct	tcctggttct	cggataacgt	480
	cgtcacattt	tgacacaaaa	gtacgtgcac	ttgcaagaaa	gtacctgtag	agaagacgga	540
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15	caattgtttc	tgttttcttt	ttgagtgcct	ggatttctgt	tatttctaac	ttgcaagcaa	660
	catttttaata	agaatgggat	tccttgttta	gtaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	720
	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa		768

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20 <211> 767

<212> DNA

<213> Arabidopsis thaliana

<400> 927

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	cgtaaaacaa	agcaaagaga	cgcaaacaca	gaagtccata	acttttaaagt	gacaaaaaga	120
	tctcttttta	agagaagtgt	gtgccattac	acaatataac	taagcacacac	aagatgagct	180
	cactgcccta	tccatggccc	tgtctggcag	aaccattcoct	gttggggttt	ctggttggtg	240
	tactcgcggt	agccttcttg	cgatttcata	gaatatctct	ttgacattag	tagcgggttt	300
30	tgctgaagtt	tccatgaaga	aaagaccgtt	ttcctgagca	tatgtttgtg	catcctctgc	360
	tgtcaccttc	cttgcatcta	ataaatcaga	tttgtttcca	gcaagggcca	tgaccatatt	420
	agggttacct	tgtgcctgca	gttcctgaac	ccatttcttt	gccctctcaa	acgaagcctg	480
	attcgtaaca	tcaaaaaacaa	tgattgcagc	agcagcacct	ctgtagtaca	ttggagccaa	540
	actatggtac	cgttcctgac	ccgctgtatc	ccaaatctca	aacttcacag	tggcatcggt	600
35	cacagctaac	gtttgtgaga	aaaaagcagc	accaatgggt	gattcctgga	attcaacaaa	660
	ctgatctttg	acaaaccgta	acacaagact	tgattttcca	gcaccaacat	ctccaagcaa	720
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40 <211> 767

<212> DNA

<213> Arabidopsis thaliana

<400> 928

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	atcattacat	gacaccagta	gaagctaaaa	gccaccacat	caggaggaag	agaaggtatc	180
	gataatgggtg	gtgtgaagtg	ggtcactaag	gtgagtcgcc	cagttgttga	gcggtccttt	240
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50	tttgatctca	gctagctgaa	gctgagcctt	cttcaccggg	tcagacgcta	gtcctaaccg	360
	gtcaaaagaac	ttgcctcctg	gatacaaacg	cttctccgag	tccagttcag	cgtttcgttg	420
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	caatggctgt	cctaagtaag	atgatccatc	cactagctct	accttgccgg	cgtcttgcca	540
	agtaacaccg	gtgagccatt	cgacggtgat	agcgccaaga	gtggcgagca	ttgccaccg	600
55	accgtgaatc	agctcacatt	ctctgaatct	ttgtagcccg	aagacttcac	tatatggctg	660

5 aaacggcgctc gatttgggggt ccaccgcctc ggtacgagtc ccgatcactt ctccgtataa 720
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10 <212> DNA
<213> Arabidopsis thaliana

<400> 929

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gaaagaagaa ggctgttcac aagaccacta caaccgatga caagaggctc cagagcactc 180
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20 aacttggacc agataacttg gacaacctga agaagctagc agagcaattc cagaaacaag 420
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aaatgtttgt cgctcgacct cttctgagca ctgtcagatt cttgttttct ctaatgcttg 660
25 cgaacagaaa gacttggttt tattatcact tgatgctttt tgggccgaac agcaattttc 720
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<210> 930
<211> 767

30 <212> DNA
<213> Arabidopsis thaliana

<400> 930

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<210> 931
<211> 767

50 <212> DNA
<213> Arabidopsis thaliana

<400> 931

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 10 tcaacttcct tagccaattc aacgtcacta aggtcaggga ggtaagatag agtctcaaac 540
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 ccggtgaatg gagcgaccat ggtggcttga gccggggagg taaccacagc ggtggaggag 720
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 <212> DNA
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5 atattatcct cagatggaga ggcacttata cggggagccg gttcactgag cagacgttga 660
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aaaattcacc tatactctga ttattgtttt actatgcca atcaaatcac ctatattaaa 180
aaccaaaacga ataaaaaaag cccacattat atatatatcat cttaccaaac tagagttttt 240
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40 ctttaacattt atacaatctt ggtctactca agaaatccag tttgcttcaa tattgcattc 360
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45 tcgcttgga gtaaagtttg ggttgagaaa gaaggttttag tcgtatggtt actactaatc 660
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5	agagttaa	ac	caaaagata	g	atgctgattt	tcttcagta	c	ttgatcgat	g	caagaacat	c	180
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	gatggtat	cg	taatggtt	cc	agccaact	tc	agaagaca	aaa	cgccccaa	ca	agcagtac	360
	gtgaccag	cc	tgaagcct	ca	acaccttg	ag	agcatcag	ga	atgaccat	tc	tcttgacc	420
10	gtcataag	ga	ggtggta	ct	cctcaaac	ac	cttcaaac	cg	gcaagagc	ag	cagcacc	480
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	gaaatga	ata	ggaccatg	ag	aaggtttt	agt	gttcatgc	gt	ttcctaag	aa	acctcatg	600
	cttcatct	tc	tgacgaac	ca	aaccacc	aga	caaacaa	at	tcctcac	at	ggacaaca	660
	aacactct	gt	ccattgag	ca	actcttt	ag	tatgatcg	aa	gcaagac	gac	cacacata	720
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<211> 766

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20 <213> *Arabidopsis thaliana*

<400> 937

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25	caaacctt	cc	aaagacata	aa	gccggcg	agt	acatgtag	180
	ttaagaaaa	aa	ttaaagag	ga	aataaa	actca	aacataca	240
	ttctcgg	aat	ccaaactc	aa	aaaatca	aaaa	ataaaatt	300
	aacaaac	aga	ttcacact	aa	ggaaaac	aaaa	accaacaa	360
	aacggcg	gtg	aacaaaca	aaa	cacccgc	ga	cccaa	420
30	aggagatc	ga	gatcttca	aaa	ggagaga	aat	ctacttct	480
	tctgccg	agg	ttcgaac	ggc	cagaact	ggt	gctgcaca	540
	caaaatcc	aa	agacga	aaaa	tttagaa	att	gtagattt	600
	aaccgttg	aa	aaaaaaaa	ag	gttcagat	ct	gtcagaga	660
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<210> 938

<211> 765

<212> DNA

40 <213> *Arabidopsis thaliana*

<400> 938

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	cactgaaa	atc	gaactgga	ag	aagtttt	tag	ggtacttt	ct	tgacgat	tgt	aagagtgc	ca	240	
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	taaagtaa	agt	tcaagagt	cc	caattct	taca	gtagccat	ac	ccatcgat	at	cccgggac	at	360	
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50	ctattgta	aaa	atctctcg	gg	gttaaac	ctct	tccgggtt	ag	tccagagt	ttt	tggatctc	tt	480	
	cctatcgc	ccc	aagcgttg	ac	caagatcc	gt	ctcttggg	ag	gaatatca	tata	gccttga	acc	540	
	ttgatgtg	ag	ccattgtt	ttc	ccttggg	gaga	agaagagg	aa	ctggatgg	tg	taatctga	at	600	
	gtttcctt	ga	tactaggt	tt	caagtaa	ggga	actttatt	ga	tatcttct	tc	ggtgattc	tc	660	
	tctttatt	ttc	tgccaagg	cg	gtctcgg	atc	tcgccttg	aa	ctttcttc	at	cacttccg	gg	720	
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 25 atcttgcttt tgcggttcat cgattcaaac atcgtttcag tgacatcaaa ttcgtcaaac 600
 agcgtcttga ggaaaaggga ttcaaactca acagtgcagg agaaatcctc aaagtgcagtc 660
 aagatgntct actatttcaa gtttcatcga tctcggaaag gcttcgggtt ncatttgcag 720
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 ttgggttgagt ttatcagaac tggctcgcct agaaacagag aaaacgcagc tgctgttcta 240
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 gaagaagaag ctgaaccaac acatccagaa tccaccacag aagctgcaga tacttaaaga 480
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 45 tttttgtttg tgctactcat cctccctcga ggtaggattc acggtagacg cggaagaggg 600
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 caatctggtc cacaggagag aaaagcaaat atgcatacat acacgtcaac ttgtatcatt 720
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50 <210> 941
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 <212> DNA
 <213> Arabidopsis thaliana

55 <400> 941

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	tttggcctct	ccagagaaga	aatggtagac	aaacatgcag	ctaacatcag	aggaacattt	240
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	gaattgggtg	agctggcggc	tatgaatgca	gaggaaaaag	tcggatggga	agagatagta	420
	gattcaagat	tagatgggag	atatgattta	caagaagtga	atgaagtagc	agcttttgct	480
	tacaaatgca	tctctcgtgc	acctagaaaa	cgtcctaaca	tgaggacat	tgttcagggt	540
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15	tctccacggc	ttcctcctcc	tcctccgata	gtggaggagt	cagaagggtga	gttaactgca	660
	aacggatcat	tacgatcaga	aattcatcgg	agggataatt	ccttggacag	tagtatagct	720
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20 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 942

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	tttcaacaac	aacaaaaaaa	agtagtctaa	cccaagtgc	accacaaatt	gtctgtgttt	180
	gaggtgggca	cagaagctaa	agcctcttct	gctctgcttt	tttgccctcag	gcaaagttta	240
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30	aaaggtctcg	aaatactgg	atatgatcgt	gaccgccaac	agaattccgg	ttcccgaacc	360
	gatggctccc	atgaaatcag	ccaaaacggt	aagtgcaccg	atacaaaactc	ctccaaaagc	420
	tgctgtgtgt	gggatgtatc	tgttcagttc	cttctgtaag	tttgattctc	tgtgtcctgg	480
	catcaccatt	tgttgttcct	ttagctgctt	agctacatcc	ctagcagaag	atccagagac	540
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35	tgcattggaac	gggtgagctg	ccatgtcaga	gaaacttgct	ggagctgtga	tgaggtaagc	660
	cagaccacta	actggaatag	attgtccact	gtactcagat	tctttccatt	gtcccaaaag	720
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<212> DNA

<213> Arabidopsis thaliana

<400> 943

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	ttttgataga	ccagaaattc	cgagcaaagg	tagcagattt	cgggttaaca	aaactgacag	180
	aagttggagg	ttcagcaact	cggggtgcaa	tgggtacatt	tggttacatg	gcaccagaga	240
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	gccttggttg	tgtgttcgaa	gaatcattca	aggaaaccga	caaagaagaa	gcactacgca	420
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	aattagggaa	agcatgtaca	caagagaatg	cgcagctacg	tccgagtatg	agatacattg	540
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55	acgaagattt	agtcagtctt	atgtccggcc	ggtagactcg	ttttccggtt	tgctgttggt	660

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 acactttacc aatctcttgt cccaacaata tcatcacctg taataccaca ccaccatcat 660
 30 cgataccttc tcctcatctt aaaatcatta tcatgtgaga ttctatttgt aacttatgta 720
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<210> 945

<211> 763

35 <212> DNA

<213> Arabidopsis thaliana

<400> 945

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 taagattgct aagtaatatg cgaattgaga gaggaaatat gatcaatgtg ggaaaggata 180
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 50 acaacgcctt ttgcttctgt aaagccgcgg cggcggcggc ggccggttga ccgcttcctc 720
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<211> 763

55 <212> DNA

<213> Arabidopsis thaliana

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 gaagatggaa agcaacactc aactattaca aacctatggt aaaagaccaa gcgaatcaat 180
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 20 tggaggagtt cttggagata tggaaatgaag ctctggctaa aaggctcgtt cggggtaat 540
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 40 atctctgtac tccagacaaa tcccaatgca aataaaagac ttccaactat gatgtatttt 240
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 catggaagac aacaacacta aaatatgcat ctaatnnnag aatcttnnna gctgcaatgg 720
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 <210> 948
 <211> 763
 <212> DNA
 <213> Arabidopsis thaliana

55
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	atgtcacgaa	agacgttgca	gaggagaaaa	ttcaaaaccc	acctccggag	caaatttccg	180
	atgactccaa	agcccttact	gttggtgaga	aacctgtaga	agagcctgca	cggcgaaaac	240
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15	ttccaaaggc	aaactgtgga	tgtttctaat	cttgaatttg	cgaatcaaag	tttcaagact	660
	ttgtaactgt	aaagtgtaat	caaatttctc	tgttctcttt	aatggcttgt	aatgttgttt	720
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20 <211> 763

<212> DNA

<213> Arabidopsis thaliana

<400> 949

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	tatactgact	ttgttttctc	ttgattatct	agctggatat	cgttgaactg	cttatcaagg	180
	gatgcaaadc	gctcaagaac	tacgagaaga	aggttaaaaat	gatcaactca	aatccataac	240
	attgccttca	cgtgtttaca	aattaaccat	ttcattctgc	tttctctgtt	ggtgttcttc	300
30	tcgaactttt	gcaacgcac	tgcagatgca	catagcagtt	agcgtacgct	tttctgatat	360
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	ccccctgag	aaatcggttc	taaggcagcc	ggagttggct	gattcttgaa	tgttcaaaac	540
	gttgctataa	caggatttta	attccttatg	gggtatacaa	gtaggaacac	gagctgctcc	600
35	atgagaatgg	ttgcagactt	tgtgtagtgt	ctatatgtat	ggattcaaac	acatcctcca	660
	aaatgtccct	ttgcctttgt	gtaaataatg	atcgctacaa	caattgtacc	tctactatga	720
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<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

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<223> n = A,T,C or G

<400> 950

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	cttggcagct	actagctaaa	gatatttttg	ttcctcgtga	gnnntgtggc	gactcctcaa	240
	tcagattacn	ngagttttgt	attcttccag	caacttcgag	atgtcattaa	tccgcaactc	300
55	ggaagaactt	ttgatatgat	aaaacgtaaa	ggctcttcgt	ccagggaggc	caaaatcagc	360
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5 taaggaacca agctctttta gttgtaaagt tctcggagtg gactgtttcc aatgctgacg 480
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taatcttggt cctaattcaa caaactcttg atcttctgac tcctcgggaa tttgaaggcg 600
caaccctgat gaaacagata ttcccatttt ctggttgcaag tcaacaatac tgaatccatc 660
ttgtcccctt tccttggtcca actctctctc tgactcttta atttcaggag ggttttacaac 720
10 ttgaggcaca gaagacctct tggctatcgg atcatcttcg gg 762

<210> 951

<211> 762

<212> DNA

15 <213> Arabidopsis thaliana

<400> 951

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20 tttcaagacg gctacccgac acgtgcgaaa acagacagtg atagtttcca ctttccacta 180
actctaactc cacgtgacaa ctcagaaagt tccttgccca accacaagt gatcaagcgt 240
cgtcgaccac atctgattcc cgcccaatag ccgtgacaca atctcgttat cggcgatggc 300
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25 cgtgtcagtc acaggcttta acccgctctc gatatcgctt cgtcgcttct cgatgacacc 480
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atttgagggt tttcccagat aaaacactag agccttctta ataccaaccg gtttaggacg 660
acctattggg ttatcagctc cggtagcttt ccaatatcca gtaccagctg cacggttggg 720
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<210> 952

<211> 762

<212> DNA

35 <213> Arabidopsis thaliana

<400> 952

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40 ctccgaggtt tcagctgagc attgcaatct tgatgaagag agagtttgat tgggttggtg 180
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15 gttttacacc agcttcaacg agtgaattcc gacaataacc ggctcgtgac agaacaagag 600
atactccggc taagattgtc ggagatgcgt cggattctga tcattagaca acttcaacaa 660
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20 <210> 954
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<212> DNA
<213> Arabidopsis thaliana

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taataacttc tcacaaaatt aaaataaaca gagtattaat tacgaaccaa gaaaaggaaa 180
aagataagag gagttaaccg gcgattttgt aactcgggtt agcgaggttc tctaaaccgg 240
30 agacaacttg aatggattcg ataacatcac caactttaag atcagctaga aaatcttcgt 300
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35 tctctagagg aaccgtcctc gttttctctg tgcctggatc gataaatcct tccgcaggac 600
cctctggatc tcccgtttgt accacaaatc catcagatct ctggatctcc atgccatcgt 660
agaaatgcct ctctaccaag tccacaaagt ttccggcggt aacaggggag ttataaccat 720
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40 <210> 955
<211> 762
<212> DNA
<213> Arabidopsis thaliana

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<211> 762
10 <212> DNA
    <213> Arabidopsis thaliana

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   tttattcctc cccgatcccaa ccaacccac caaccagata agacacttag gaactgagac 180
   gttcgaattt taccgaattt cttcagtttc ttaagcattg agtctttctt tgagctcagc 240
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   gtgaatgatg agtgcaagat ctttggtcat tttccctgac tccactgtcc caacacaagc 360
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   tgcaagtcca cgagtccaag caaaaataga ggctatgctg tttgtgctgg tctcaccacc 480
   tttctgatga accctgaagt gacgggtgac agttccatgg gccgcttcag cttcaatcgt 540
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30 <212> DNA
    <213> Arabidopsis thaliana

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   catggaacct agaagatgat aacagtaata ataaaagcaa aaggcaatca acggtaacga 180
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55 <222> (1)...(761)
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<212> DNA

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<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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15 <211> 761

<212> DNA

<213> Arabidopsis thaliana

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	accagtcaca	caacagttaa	caatagaaat	tccgaccaca	aaaacacaaa	ttatagaata	180
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	agaaatccac	cgccactccg	atccttcgtc	caccactctc	cgccataact	ctctctgtag	720
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5 tataaaactca atatgctcct cttacggttt ggtttctaag taatctcggt tattgacaat 720
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35 <212> DNA

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 50 gacatgggag gtccagtggg aggtgggttt agtgttgctg ttgatccatt ggatggatca 720
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<210> 965

<211> 759

55 <212> DNA

<213> Arabidopsis thaliana

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<400> 965

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	ccacgattgc	tctgcgaaac	tcatcattgt	gaagtataaa	ggaagacacg	tgtccacctg	180
10	tgacccatct	cactttctgaa	ccaggccacg	ccttttgaag	ctccaacact	gagtgttttg	240
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	ggaagcgagt	gacgtctgtg	agggagagaa	cattccgcat	ccgctctctc	acttcatcaa	360
	gagtcattgt	gatcttctgt	gctgcaagtt	cctccctcag	tgcctcccaa	gcagtcccat	420
	actttaatat	tccttcgcag	aatgcaacaa	cagcagagtg	cggagatagg	aatggaagtg	480
15	ttgcaactgg	tggttgatga	agcgatccaa	ccatcgaaag	atgtactcct	cccatactta	540
	gcccacaaac	acccatcttt	ccaaagcctt	cctcagtgct	tagccagtga	ataagactgc	600
	gggactcttc	gattgttgcc	ctccctagca	aaagtagatc	actaacacag	aggagtctcg	660
	caccgcattg	aagaaaaggga	cgcctttggc	catagaaagg	gctgcagtgg	cattatcttt	720
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<213> Arabidopsis thaliana

25

<400> 966

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	ctgtttgacat	gaatccagga	acaagaagaa	accctgaagt	cttgaactca	actccaaaga	360
	agattctgat	gtacgaaagc	caacacaagg	tctatgtcgg	aaatctccct	tggttcacac	420
	agcctgatgg	tttgagaaac	cacttttagca	agtttggcac	aatcgtaagc	acgagagtgt	480
35	tacatgatcg	taagaccggg	agaaacagag	tctttgcctt	tctttctttt	acaagcgggtg	540
	aagaacgtga	tgcggtctta	tcattcaatg	gaacacaata	tgaaggctgc	agaatcatcg	600
	tcagagaagg	tatcgagaag	agtgaagtcg	aaaccaactg	ttctgctttt	gctgcaaaga	660
	catctcttgg	acacaaacaa	tgtgtaatga	atgtcttctg	atttcttcga	caagtaacct	720
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<210> 967

<211> 759

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<223> n = A,T,C or G

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<400> 967

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10	cgctttgtcg	gcagatggta	ctggaatatt	catagctggg	cttaaagttg	gctaattggaa	660
	caggaaaagc	gtgagaaggt	tgatacacta	ttcaaaatga	taagaattct	gcacatacag	720
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<210> 968

15 <211> 759

<212> DNA

<213> Arabidopsis thaliana

<400> 968

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	gcaaatacagc	cgtttctgct	tctgacttct	tctactccgg	tttaggtggc	cccttagaca	180
	cgtcaaacc	taacggagta	accgttgctc	ccgccaacgt	cttaaccttc	ccgggtctaa	240
	acactttagg	aatctcgatg	aataacgttg	agctagctcc	aggaggtgta	aatccgcctc	300
25	acttgacccc	gcgtgcaacc	gaagtaggaa	ctgtgatcga	aggctcgggt	tttgtcggat	360
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30	agaatctcaa	gtccaagttt	gctgtttgaa	tctttttatt	tatgttttct	aaaataatct	660
	ttcacaataa	gctttatagc	aatattggta	tacacttgct	tctgtaataa	tcgggtatgaa	720
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<210> 969

35 <211> 759

<212> DNA

<213> Arabidopsis thaliana

<400> 969

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	tttgagagtga	aaatccaaga	ggaagatcca	ataagtaagt	aaggaaagaa	ttatgggtttt	180
	tcacgggtgt	ttagagatga	tcacagatgg	cttttgtaga	atctgttgta	gttgaggaac	240
	ctccgagatc	agcagttcta	tactttccct	cggctattgt	gttgatgatg	gcactgtgga	300
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	aagctgttg	gttcgccagg	ttcattccag	caatatcagg	tgcagagccg	tgaacagctt	420
	cagcaagggc	aataccatcc	tccccaatat	tcatactagg	agtcagtcct	agtcccccaa	480
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	caaaaagtgc	tgggtttttc	acaagcatca	tacagcaatt	gtcaataaca	accttctcgt	600
50	aatatatctc	aggatacttc	gcagcaactt	catcacaaca	ctgcaggaaa	agaccatcag	660
	ttttctgcat	aatgttggct	ttgtgaattg	cagaaacttt	cttccttccg	tgagtcttgg	720
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<210> 970

55 <211> 759

<212> DNA

5 <213> Arabidopsis thaliana

<400> 970

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10 aacccacccc gtgtttgtat ctagtaaagc caaatgaaat ccttagtagt ttggttatgg      180
ctgacttggtg ttttagcttct aatcttctgg tctcacaccc aaatccttct tacctcattc      240
attttttttg gcagcagcga cagaatcaca caagtctagc tttctcaagg tttccatggt      300
gctggtggag gtggtggagt agggaacaaa ggaggaacag ctgagaaaaat agtgtttttg      360
tctatcttac cgggtggcttc ttcttcaccc gataatgcc aagagctgc gactagacca      420
15 gcattgcctg caagagtcgg ttcagtgtag ttgtagtcca tacggacatc acggtaccgc      480
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gctcctctgt gatgcacatg tcttgggtat tttgtgccaa aaccaacgac ataactcatt      660
ttccgagggg ttttaccag tatataatca atctgggatc tagcaaagtc acgtagcaca      720
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<211> 759

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(759)

30 <223> n = A,T,C or G

<400> 971

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35 taaacccaag ccggtcccaa gtcccaaacc caagccggtc ccaagtcctt cagtaccaag      180
tccttcggtc ccaagtecta accctaggcc ggtcacgcct ccgagaaccc ctggctcatc      240
tggaactgt cctatcgatg ctctcagact cgggtgatgt gcgaacgttt taagcagtct      300
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ggttgacctc gacgtgcc a tttgtctttg cactgcgctt agggctaacg ttcttggtat      420
40 caaccttaac gtcccgatat ctctcagtgt tcttctcaac gtttgtaaca gaaagggtcc      480
gtctggcttc caatgtgctt gaaggatatc agctatgcat acgatgtgat gcccggtgcac      540
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tttttttttt ccgtcaacgt tctgtattc cggctctgtg tgcttttgta gcaatctatt      720
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<210> 972

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<212> DNA

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ccagcagatc aagttcttag aggtcttgag ggaagcttcg ctttcgttgt ctacgatact 180
caaacttcct ctgtttttctc agctctgagt tctgatggag gagagagtct ttactgggga 240
10 atttctggag acggatctgt tgtaatgtct gatgatattc agatcataaa gcaaggctgt 300
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nnnnnnatgt atgtatcata gtgagacagg gcttaagagc tttgaccatc cgactaatat 480
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15 tgatgcttgt tctaagatca atagtatccc tagaagagga agtgaagcta actgggcgct 600
ggctaattct cgttgatttt gcttctagtt tcgttaactc ttgcttcttt gttgcgtttt 660
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tgatttgctt caaaaaaaaa aaaaaaaaa aaaaaaaaa 759

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<212> DNA
<213> Arabidopsis thaliana

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acaacaaaag gtttaaaggc agtcatgagg aggtgtcaat ggaagagtac aaggaagtag 240
30 ctgaagagtt caaatggaag tatgtttatt cacatatagg ctctgctgaa gaaaaagatg 300
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35 tttatctact gcggatcaca ggattaaggt ggaagcatca agcttcaccc gcagggtccaa 600
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ttttgtctct catgacaaaa ttttggaaac tcaagtaatg aatgtgttac cattgtgaca 720
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40 <210> 974
<211> 758
<212> DNA
<213> Arabidopsis thaliana

45 <400> 974
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<211> 758

10 <212> DNA

<213> Arabidopsis thaliana

<400> 975

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agaacacaaa ctttgaatct tgcaagaaac acaaatttga gtgacattca agattttttc 180
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<210> 976

<211> 757

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 976

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<400> 979

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15 <212> DNA

<213> Arabidopsis thaliana

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ccttcgttga	gtgaagtctt	gtccaagagg	gagagatttg	aagattttac	aagttttctg	720
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<212> DNA

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